

# Anti-SKP2 Monoclonal Antibody

Catalog # ABO14522

## Product Information

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| <b>Application</b>       | WB, IHC, IF, ICC, FC                                                                                                                 |
| <b>Primary Accession</b> | <a href="#">Q13309</a>                                                                                                               |
| <b>Host</b>              | Rabbit                                                                                                                               |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                           |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                    |
| <b>Clonality</b>         | Monoclonal                                                                                                                           |
| <b>Format</b>            | Liquid                                                                                                                               |
| <b>Description</b>       | Anti-SKP2 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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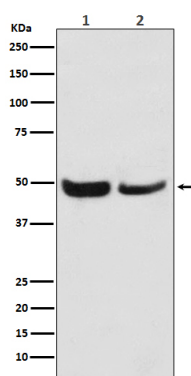
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|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 6502                                                                                                                                                                                                                                                                                                                                          |
| <b>Other Names</b>                     | S-phase kinase-associated protein 2, Cyclin-A/CDK2-associated protein p45, F-box protein Skp2, F-box/LRR-repeat protein 1, p45skp2, SKP2, FBXL1                                                                                                                                                                                               |
| <b>Calculated MW</b>                   | 47761                                                                                                                                                                                                                                                                                                                                         |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:50                                                                                                                                                                                                                                                                             |
| <b>Source</b>                          | Eukaryota                                                                                                                                                                                                                                                                                                                                     |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                                                                                                                           |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: ADCE-19<br>A synthesized peptide derived from human SKP2 Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription. |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                    |

## Protein Information

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| <b>Name</b>              | SKP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>          | FBXL1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Function</b>          | <p>Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription (PubMed:<a href="#">9736735</a>, PubMed:<a href="#">11931757</a>, PubMed:<a href="#">12435635</a>, PubMed:<a href="#">12769844</a>, PubMed:<a href="#">12840033</a>, PubMed:<a href="#">15342634</a>, PubMed:<a href="#">15668399</a>, PubMed:<a href="#">15949444</a>, PubMed:<a href="#">16103164</a>, PubMed:<a href="#">16262255</a>, PubMed:<a href="#">16581786</a>, PubMed:<a href="#">16951159</a>, PubMed:<a href="#">17908926</a>, PubMed:<a href="#">17962192</a>, PubMed:<a href="#">22464731</a>, PubMed:<a href="#">22770219</a>, PubMed:<a href="#">32267835</a>). Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition (By similarity). Degradation of CDKN1B/p27kip also requires CKS1 (By similarity). Recognizes target proteins ORC1, CDT1, RBL2, KMT2A/MLL1, CDK9, RAG2, NBN, FOXO1, UBP43, YTHDF2, and probably MYC, TOB1 and TAL1 (PubMed:<a href="#">11931757</a>, PubMed:<a href="#">12435635</a>, PubMed:<a href="#">12769844</a>, PubMed:<a href="#">12840033</a>, PubMed:<a href="#">15342634</a>, PubMed:<a href="#">15668399</a>, PubMed:<a href="#">15949444</a>, PubMed:<a href="#">16103164</a>, PubMed:<a href="#">16581786</a>, PubMed:<a href="#">16951159</a>, PubMed:<a href="#">17908926</a>, PubMed:<a href="#">17962192</a>, PubMed:<a href="#">22464731</a>, PubMed:<a href="#">32267835</a>). Degradation of TAL1 also requires STUB1 (PubMed:<a href="#">17962192</a>). Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2 (PubMed:<a href="#">9736735</a>, PubMed:<a href="#">16262255</a>). Promotes ubiquitination and destruction of CDH1 in a CK1-dependent manner, thereby regulating cell migration (PubMed:<a href="#">22770219</a>). Following phosphorylation in response to DNA damage, mediates 'Lys-63'-linked ubiquitination of NBN, promoting ATM recruitment to DNA damage sites and DNA repair via homologous recombination (PubMed:<a href="#">22464731</a>).</p> |
| <b>Cellular Location</b> | Cytoplasm. Nucleus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Images



Western blot analysis of SKP2 expression in (1) Jurkat cell lysate; (2) NIH/3T3 cell lysate.

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