

# SKP2 Antibody

Rabbit mAb

Catalog # AP92249

## Product Information

<b>Application</b>	WB, IF, ICC
<b>Primary Accession</b>	<a href="#">Q13309</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	FBL1; FBXL1; FLB1; p45; p45skp2; Skp2;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	47761

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 ICC/IF 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human SKP2
<b>Description</b>	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>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Protein Information

<b>Name</b>	SKP2
<b>Synonyms</b>	FBXL1
<b>Function</b>	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,

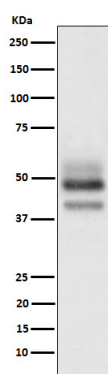
and probably MYC, TOB1 and TAL1 (PubMed:[11931757](#), PubMed:[12435635](#), PubMed:[12769844](#), PubMed:[12840033](#), PubMed:[15342634](#), PubMed:[15668399](#), PubMed:[15949444](#), PubMed:[16103164](#), PubMed:[16581786](#), PubMed:[16951159](#), PubMed:[17908926](#), PubMed:[17962192](#), PubMed:[22464731](#), PubMed:[32267835](#)). Degradation of TAL1 also requires STUB1 (PubMed:[17962192](#)). Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2 (PubMed:[9736735](#), PubMed:[16262255](#)). Promotes ubiquitination and destruction of CDH1 in a CK1-dependent manner, thereby regulating cell migration (PubMed:[22770219](#)). 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:[22464731](#)).

## Cellular Location

Cytoplasm. Nucleus

## Images

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Western blot analysis of SKP2 expression in HeLa cell lysate.

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