

Anti-SKP2 Rabbit Monoclonal Antibody

Catalog # ABO15669

Product Information

Application	WB, IF, ICC
Primary Accession	Q13309
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-SKP2 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human.

Additional Information

Gene ID	6502
Other Names	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
Calculated MW	47761
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 22S45
Immunogen	A synthesized peptide derived from human SKP2
Purification	Affinity-chromatography
Storage	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

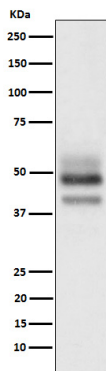
Name	SKP2
Synonyms	FBXL1
Function	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and

subsequent proteasomal degradation of target proteins involved in cell cycle progression, signal transduction and transcription (PubMed:[9736735](#), PubMed:[11931757](#), PubMed:[12435635](#), PubMed:[12769844](#), PubMed:[12840033](#), PubMed:[15342634](#), PubMed:[15668399](#), PubMed:[15949444](#), PubMed:[16103164](#), PubMed:[16262255](#), PubMed:[16581786](#), PubMed:[16951159](#), PubMed:[17908926](#), PubMed:[17962192](#), PubMed:[22464731](#), PubMed:[22770219](#), PubMed:[32267835](#)). 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



Western blot analysis of SKP2 expression in HeLa cell lysate.

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