

**SKP2 Antibody**  
Rabbit mAb  
Catalog # AP92249

## Specification

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### SKP2 Antibody - Product Information

Application	WB, ICC
Primary Accession	<a href="#">O13309</a>
Clonality	Monoclonal
<b>Other Names</b>	
FBL1; FBXL1; FLB1; p45; p45skp2; Skp2;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	47761 Da

### SKP2 Antibody - Additional Information

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.</b>

### SKP2 Antibody - 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:<a href="http://www.uniprot.org/citations/11931757" target="\_blank">11931757</a>, PubMed:<a href="http://www.uniprot.org/citations/12435635" target="\_blank">12435635</a>, PubMed:<a href="http://www.uniprot.org/citations/12769844" target="\_blank">12769844</a>, PubMed:<a href="http://www.uniprot.org/citations/12840033" target="\_blank">12840033</a>, PubMed:<a

href="http://www.uniprot.org/citations/15342634" target="\_blank">15342634</a>, PubMed:<a href="http://www.uniprot.org/citations/15668399" target="\_blank">15668399</a>, PubMed:<a href="http://www.uniprot.org/citations/15949444" target="\_blank">15949444</a>, PubMed:<a href="http://www.uniprot.org/citations/16103164" target="\_blank">16103164</a>, PubMed:<a href="http://www.uniprot.org/citations/16262255" target="\_blank">16262255</a>, PubMed:<a href="http://www.uniprot.org/citations/16581786" target="\_blank">16581786</a>, PubMed:<a href="http://www.uniprot.org/citations/16951159" target="\_blank">16951159</a>, PubMed:<a href="http://www.uniprot.org/citations/17908926" target="\_blank">17908926</a>, PubMed:<a href="http://www.uniprot.org/citations/17962192" target="\_blank">17962192</a>, PubMed:<a href="http://www.uniprot.org/citations/22464731" target="\_blank">22464731</a>, PubMed:<a href="http://www.uniprot.org/citations/22770219" target="\_blank">22770219</a>, PubMed:<a href="http://www.uniprot.org/citations/32267835" target="\_blank">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="http://www.uniprot.org/citations/11931757" target="\_blank">11931757</a>, PubMed:<a href="http://www.uniprot.org/citations/12435635" target="\_blank">12435635</a>, PubMed:<a href="http://www.uniprot.org/citations/12769844" target="\_blank">12769844</a>, PubMed:<a href="http://www.uniprot.org/citations/12840033" target="\_blank">12840033</a>, PubMed:<a href="http://www.uniprot.org/citations/15342634" target="\_blank">15342634</a>, PubMed:<a href="http://www.uniprot.org/citations/15668399" target="\_blank">15668399</a>, PubMed:<a href="http://www.uniprot.org/citations/15949444" target="\_blank">15949444</a>, PubMed:<a href="http://www.uniprot.org/citations/16103164" target="\_blank">16103164</a>, PubMed:<a href="http://www.uniprot.org/citations/16581786" target="\_blank">16581786</a>, PubMed:<a href="http://www.uniprot.org/citations/16951159" target="\_blank">16951159</a>, PubMed:<a href="http://www.uniprot.org/citations/17908926" target="\_blank">17908926</a>, PubMed:<a href="http://www.uniprot.org/citations/17962192" target="\_blank">17962192</a>, PubMed:<a href="http://www.uniprot.org/citations/22464731" target="\_blank">22464731</a>, PubMed:<a href="http://www.uniprot.org/citations/32267835" target="\_blank">32267835</a>). Degradation of TAL1 also requires STUB1 (PubMed:<a href="http://www.uniprot.org/citations/17962192" target="\_blank">17962192</a>). Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2 (PubMed:<a href="http://www.uniprot.org/citations/16262255" target="\_blank">16262255</a>). Promotes ubiquitination and destruction of CDH1 in a CK1-dependent manner, thereby regulating cell migration (PubMed:<a href="http://www.uniprot.org/citations/22770219" target="\_blank">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="http://www.uniprot.org/citations/22464731" target="\_blank">22464731</a>).

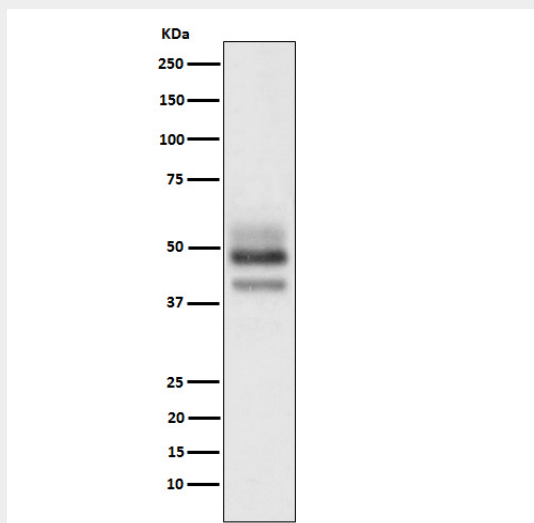
#### Cellular Location

Cytoplasm. Nucleus

#### SKP2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SKP2 Antibody - Images**

Western blot analysis of SKP2 expression in HeLa cell lysate.