

**SKP2 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51511****Specification**

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**SKP2 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O13309</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>45 KDa</b>
Antigen Region	<b>361 - 420</b>

**SKP2 Antibody - 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

**Target/Specificity**

KLH conjugated synthetic peptide derived from human SKP2

**Dilution**

WB~~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**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: [11931757](http://www.uniprot.org/citations/11931757), PubMed: [12435635](http://www.uniprot.org/citations/12435635), PubMed: [12769844](http://www.uniprot.org/citations/12769844), PubMed: [12840033](http://www.uniprot.org/citations/12840033)).

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

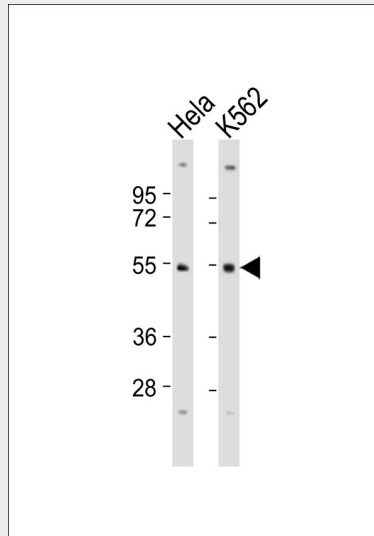
Cytoplasm. Nucleus

#### 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



All lanes : Anti-SKP2 Antibody at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: K562 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## SKP2 Antibody - Background

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## SKP2 Antibody - References

- Zhang H., et al. Cell 82:915-925(1995).
- Yamaguchi T., et al. Submitted (NOV-2000) to the EMBL/GenBank/DDBJ databases.
- Kokontis J.M., et al. Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Schmutz J., et al. Nature 431:268-274(2004).