

SKP2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51511

Specification

SKP2 Antibody - Product Information

Application	WB
Primary Accession	Q13309
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45 KDa
Antigen Region	361 - 420

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

href="http://www.uniprot.org/citations/12840033" target="_blank">>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

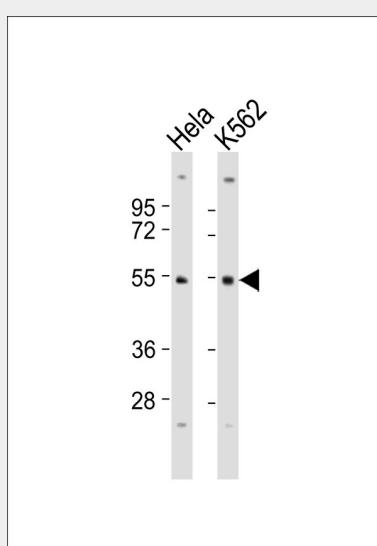
SKP2 Antibody - Protocols

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

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. Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. Degradation of CDKN1B/p27kip also requires CKS1. Recognizes target proteins ORC1, CDT1, RBL2, KMT2A/MLL1, CDK9, RAG2, FOXO1, UBP43, and probably MYC, TOB1 and TAL1. Degradation of TAL1 also requires STUB1. Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2. Promotes ubiquitination and destruction of CDH1 in a CK1-Dependent Manner, thereby regulating cell migration.

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).