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SKP2 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8503C

Specification

SKP2 Antibody (Center) - Product Information

Application	WB, FC,E
Primary Accession	Q13309
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	47761
Antigen Region	156-185

SKP2 Antibody (Center) - 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

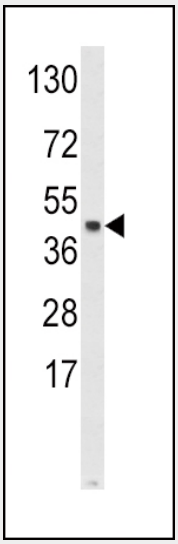
Target/Specificity
This SKP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-185 amino acids from the Central region of human SKP2.

Dilution
WB~~1:1000
FC~~1:10~50

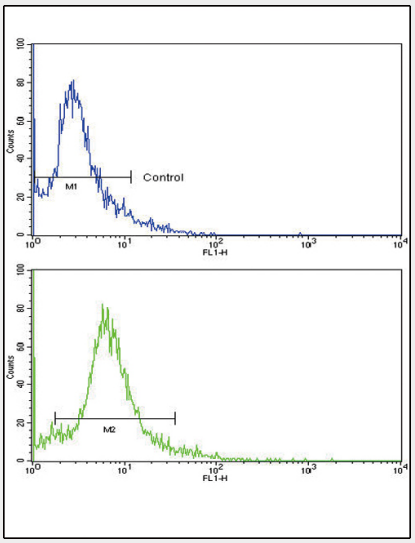
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SKP2 Antibody (Center) is for research use



Western blot analysis of SKP2 Antibody (Center) (Cat. #AP8503c) in Hela cell line lysates (35ug/lane). SKP2 (arrow) was detected using the purified Pab.



Flow cytometric analysis of hela cells using SKP2 Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

only and not for use in diagnostic or therapeutic procedures.

SKP2 Antibody (Center) - 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, 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:<a href="http://www.uniprot.org/ci

SKP2 Antibody (Center) - Background

SKP2 is a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbls class; in addition to an F-box, this protein contains 10 tandem leucine-rich repeats. This protein is an essential element of the cyclin A-CDK2 S-phase kinase. It specifically recognizes phosphorylated cyclin-dependent kinase inhibitor 1B (CDKN1B, also referred to as p27 or KIP1) predominantly in S phase and interacts with S-phase kinase-associated protein 1 (SKP1 or p19). In addition, this gene is established as a protooncogene causally involved in the pathogenesis of lymphomas.

SKP2 Antibody (Center) - References

Hussain,A.R., et.al., Leuk. Lymphoma 50 (7), 1204-1213 (2009)
Yam,C.H., et.al., Mol. Cell. Biol. 19 (1), 635-645 (1999)

tations/22770219"
target="_blank">22770219,
PubMed:<a href="http://www.uniprot.org/ci
tations/32267835"
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Specifically recognizes phosphorylated
CDKN1B/p27kip and is involved in
regulation of G1/S transition (By similarity).
Degradation of CDKN1B/p27kip also
requires CKS1. Recognizes target proteins
ORC1, CDT1, RBL2, KMT2A/MLL1, CDK9,
RAG2, FOXO1, UBP43, YTHDF2, and
probably MYC, TOB1 and TAL1 (PubMed:<a
href="http://www.uniprot.org/citations/1193
1757" target="_blank">11931757,
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target="_blank">32267835).
Degradation of TAL1 also requires STUB1
(PubMed:<a href="http://www.uniprot.org/c
itations/17962192"
target="_blank">17962192).
Recognizes CDKN1A in association with
CCNE1 or CCNE2 and CDK2 (PubMed:<a hre

f="http://www.uniprot.org/citations/16262255" target="_blank">16262255). Promotes ubiquitination and destruction of CDH1 in a CK1-dependent manner, thereby regulating cell migration (PubMed:22770219).

Cellular Location
Cytoplasm. Nucleus

SKP2 Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture