

SKP1 polyclonal antibody

Catalog # PAB10064 Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SKP1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 152-163 of human SKP1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2000-1:10000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In antiserum (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay

Gene Info — SKP1

Entrez GeneID [6500](#)

Protein Accession# [P63208;P63208](#)

Gene Name SKP1

Gene Alias EMC19, MGC34403, OCP-II, OCP2, SKP1A, TCEB1L, p19A

Gene Description S-phase kinase-associated protein 1

Omim ID [601434](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a component of SCF complexes, which are composed of this protein, cullin 1, a ring-box protein, and one member of the F-box family of proteins. This protein binds directly to the F-box motif found in F-box proteins. SCF complexes are involved in the regulated ubiquitination of specific protein substrates, which targets them for degradation by the proteasome. Specific F-box proteins recognize different target protein(s), and many specific SCF substrates have been identified including regulators of cell cycle progression and development. Studies have also characterized the protein as an RNA polymerase II elongation factor. Alternative splicing of this gene results in two transcript variants. A related pseudogene has been identified on chromosome 7. [provided by RefSeq]

Other Designations RNA polymerase II elongation factor-like protein OCP2|cyclin A/CDK2-associated p19|organ of Corti protein 2|transcription elongation factor B (SIII), polypeptide 1-like

Publication Reference

- [NEDD8 modification of CUL1 dissociates p120\(CAND1\), an inhibitor of CUL1-SKP1 binding and SCF ligases.](#)

Liu J, Furukawa M, Matsumoto T, Xiong Y.

Molecular Cell 2002 Dec; 10(6):1511.

Application: WB-Tr, Human, HEK 293T, HeLa cells

- [ROC1, a homolog of APC11, represents a family of cullin partners with an associated ubiquitin ligase activity.](#)

Ohta T, Michel JJ, Schottelius AJ, Xiong Y.

Molecular Cell 1999 Apr; 3(4):535.

Application: WB, Human, HeLa cells

- [Human CUL-1, but not other cullin family members, selectively interacts with SKP1 to form a complex with SKP2 and cyclin A.](#)

Michel JJ, Xiong Y.

Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer 1998 Jun; 9(6):435.

- [A complex of Cdc4p, Skp1p, and Cdc53p/cullin catalyzes ubiquitination of the phosphorylated CDK inhibitor Sic1p.](#)

Feldman RM, Correll CC, Kaplan KB, Deshaies RJ.

Cell 1997 Oct; 91(2):221.

- [SKP1 connects cell cycle regulators to the ubiquitin proteolysis machinery through a novel motif, the F-box.](#)

Bai C, Sen P, Hofmann K, Ma L, Goebel M, Harper JW, Elledge SJ.

Cell 1996 Jul; 86(2):263.

Pathway

- [Cell cycle](#)
- [TGF-beta signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)
- [Wnt signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)