

SKP2 polyclonal antibody

Catalog # PAB8019

Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SKP2.
Immunogen	A synthetic peptide corresponding to amino acids at N-terminus of human SKP2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Immunocytochemistry (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

Gene Info — SKP2

Entrez GeneID	6502
Gene Name	SKP2
Gene Alias	FBL1, FBXL1, FLB1, MGC1366
Gene Description	S-phase kinase-associated protein 2 (p45)
Omim ID	601436
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes 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. Alternative splicing of this gene generates 2 transcript variants encoding different isoforms. [provided by RefSeq]</p>
Other Designations	CDK2/cyclin A-associated protein p45 S-phase kinase-associated protein 2

Publication Reference

- [Skp2 suppresses p53-dependent apoptosis by inhibiting p300.](#)

Kitagawa M, Lee SH, McCormick F.

Molecular Cell 2008 Feb; 29(2):217.

Application: WB-Tr, Human, HCT-116, U-2 OS cells

- [Role of the F-box protein Skp2 in lymphomagenesis.](#)

Latres E, Chiarle R, Schulman BA, Pavletich NP, Pellicer A, Inghirami G, Pagano M.

PNAS 2001 Feb; 98(5):2515.

Application: IP-WB, WB-Ce, WB-Ti, Mouse, Thymocytes, Lymphoma

Pathway

- [Cell cycle](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)