

Rabbit anti-Human Skp2 Polyclonal Antibody | anti-SKP2 antibody

Skp2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36752	Rabbit	Human	Immunocytochemistry, Western Blot

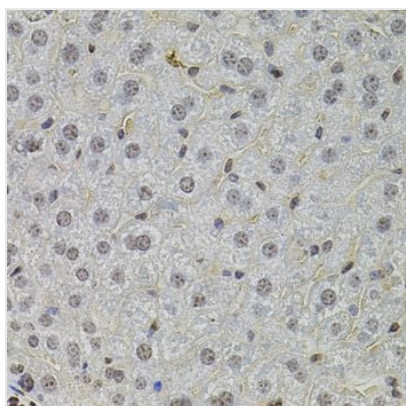
PRODUCT SYNONYMS

Skp2; Polyclonal Antibody; Skp2 Polyclonal Antibody; SKP2; Skp2 ; FBL1; FBXL1; FLB1; MGC1366 ;; anti-SKP2 antibody

PRODUCT SPECIFICATIONS

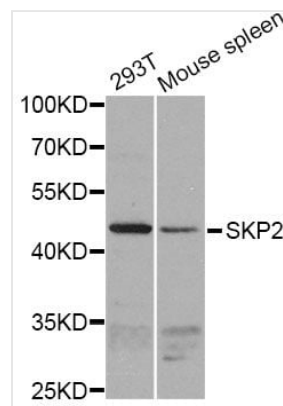
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	210
Applicable Applications for anti-SKP2 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Skp2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preparation and Storage	Store at -20 degree C or -80 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse liver using SKP2 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SKP2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SKP2 antibody	Members of the F-box family of proteins are characterized by the approximate 40 amino acid F-box motif named after cyclin F (1,2). F-box proteins constitute one of the four subunits of the Skp1-Cullin-F-box (SCF) ubiquitin ligase complex. The substrate specificity of SCF complexes is determined by the interchangeable F-box proteins, which act as adaptors by associating with phosphorylated substrate proteins and recruiting them to the SCF core. F-box proteins contain two fundamental domains: the F-box motif mediates binding to Skp1 and a leucine rich repeat (LRR) domain mediates substrate interactions. Skp2 (S phase kinase-associated protein 2) interacts with cyclin A/CDK2 and mediates proper G1 to S and G2 to M phase transitions by targeting the cyclin-dependent kinase (CDK) inhibitors p27, p21, p130 and the FOXO1 transcription factor for ubiquitylation and subsequent proteolysis (3,4,5,6). Skp2 protein expression is low in G0 and early G1 phase, increases during late G1 phase, and peaks during S and G2 phases. Inactivation of Skp2 results in S/G2phase arrested cells with endoduplication and multiple centrosomes (4). Overexpression of Skp2 results in increased CDK activity and contributes to the deregulated proliferation and genetic instabilities typical of cancer cells (7). Increased Skp2/decreased p27 levels are associated with many aggressive lymphomas and human carcinomas such as colon, breast, prostate and lung cancers (7).
References	1. Pagano, M. (2004) Mol Cell 14, 414-416. 2. Reed, S.I. (2003) Nature Rev Mol Cell Biol 4, 855-864. 3. Zhang, H. et al. (1995) Cell 82, 915-925. 4. Nakayama, K. et al. (2004) Dev. Cell 6(5), 661-672. 5. Bornstein, G. et al. (2003) J. Biol. Chem. 278(28), 25752-25757. 6. Tedesco, D. et al. (2002) Genes Dev. 16(22), 2946-2957. 7. Bloom, J. and Pagano, M. (2003) Semin. Cancer Biol. 13(1), 41-47.

NCBI AND UNIPROT INFORMATION

NCBI GI #	340805881
NCBI GeneID	6502
NCBI Accession #	NP_001230049.1
NCBI GenBank Nucleotide #	NM_001243120.1
UniProt Accession #	Q13309 ; Q8TDZ0 ; Q8TDZ1 ; Q9BV69 ; A8K5E0 ; B4DJT4
Molecular Weight	46/48kDa
NCBI Official Full Name	S-phase kinase-associated protein 2 isoform 3
NCBI Official Synonym Full Names	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase
NCBI Official Symbol	SKP2
NCBI Official Synonym Symbols	p45; FBL1; FLB1; FBXL1
NCBI Protein Information	S-phase kinase-associated protein 2; p45skp2; F-box/LRR-repeat protein 1; CDK2/cyclin A-associated protein p45; S-phase kinase-associated protein 2 (p45)
UniProt Protein Name	S-phase kinase-associated protein 2
UniProt Gene Name	SKP2
UniProt Synonym Gene Names	FBXL1
UniProt Entry Name	SKP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/skp2-antibody-immunocytochemistry-western-blot-elisa/36752>