

Product Name: KD-Validated SKP2 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01900**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 47.8kDa

Antigen Information

Gene Name	SKP2
Alternative Names	SKP2; S-Phase Kinase Associated Protein 2; FBXL1; FBL1; P45; S-Phase Kinase-Associated Protein 2, E3 Ubiquitin Protein Ligase; S-Phase Kinase-Associated Protein 2; F-Box/LRR-Repeat Protein 1; P45skp2; S-Phase Kinase-Associated Protein 2 (P45); CDK2/Cyclin A-Associated Protein P45; Cyclin-A/CDK2-Associated Protein P45; F-Box Protein Skp2; FLB1
Gene ID	6502.0
SwissProt ID	Q13309
Immunogen	A synthesized peptide derived from human SKP2

Background

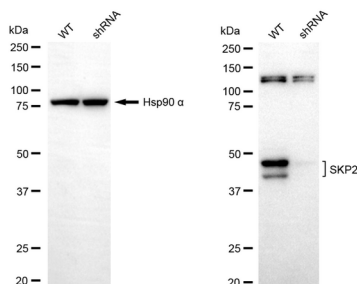
This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-

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 three transcript variants encoding different isoforms. [provided by RefSeq, Jul 2011]

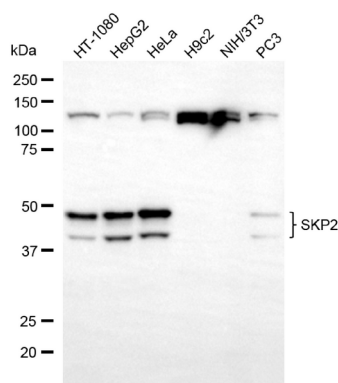
Research Area

Cancer, Cardiovascular, Cell Biology

Image Data



Western blotting analysis using SKP2 antibody (KVA01900). SKP2 expression in wild-type (WT) and SKP2 shRNA knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SKP2 antibody (KVA01900, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using SKP2 antibody (KVA01900). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SKP2 antibody (KVA01900, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.