SKP2 (Ab-64) Antibody

Catalog No: #21700

Package Size: #21700-1 50ul #21700-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

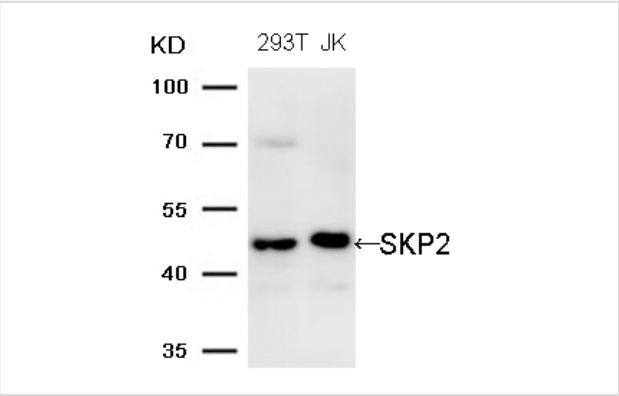
Description

Product Name	SKP2 (Ab-64) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total SKP2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.62~66 (P-E-S-P-P) derived from Human SKP2.
Target Name	SKP2
Other Names	FBXL1
Accession No.	Swiss-Prot#: Q13309NCBI Protein#: NP_005974.2.
Uniprot	Q13309
GeneID	6502;
Target Species	Human
SDS-PAGE MW	48kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from 293T and JK cells using SKP2 (Ab-64) Antibody #21700.

Background

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. Specifically recognizes phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. Degradation of CDKN1B/p27kip also requires CKS1. Recognizes target proteins ORC1, CDT1, RBL2, KMT2A/MLL1, CDK9, RAG2, FOXO1, UBP43, and probably MYC, TOB1 and TAL1. Degradation of TAL1 also requires STUB1. Recognizes CDKN1A in association with CCNE1 or CCNE2 and CDK2. Promotes ubiquitination and destruction of CDH1 in a CK1-Dependent Manner, thereby regulating cell migration.

1)Tedesco D., Lukas J., Reed S.I.Genes Dev. 16:2946-2957(2002)

2)Mendez J., Zou-Yang X.H., Kim S.Y., Hidaka M., Tansey W.P., Stillman B.Mol. Cell 9:481-491(2002)

3)Li X., Zhao Q., Liao R., Sun P., Wu X.J. Biol. Chem. 278:30854-30858(2003)

Note: This product is for in vitro research use only