

SKP1 Rabbit mAb

Catalog No: #52580

Package Size: #52580-1 50ul #52580-2 100ul

Orders: order@signalwayantibody.com

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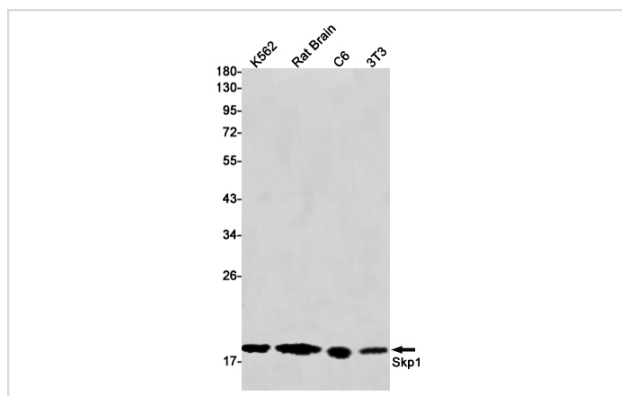
Description

Product Name	SKP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-6H2
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Skp1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	OCP2; p19A; EMC19; SKP1A; OCP-II; TCEB1L
Accession No.	Swiss-Prot:P63208GeneID:6500
Uniprot	P63208
GeneID	6500
Calculated MW	Calculated MW: 19 kDa; Observed MW: 19 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

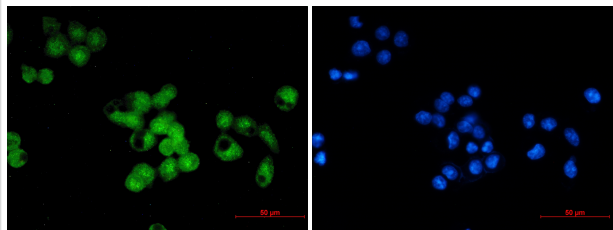
WB: 1/1000-1/5000; ICC/IF: 1/50;

Images



Western blot detection of Skp1 in K562,Rat Brain,C6,3T3 cell lysates using Skp1 Rabbit mAb(1:1000 diluted).Predicted band size:19kDa.Observed band size:19kDa.

Immunocytochemistry of Skp1 (green) in MCF-7 using Skp1 antibody at dilution 1/20, and DAPI(blue)



Background

Swiss-Prot Acc.P63208. Essential component of the SCF (SKP1-CUL1-F-box protein) ubiquitin ligase complex, which mediates the ubiquitination of proteins involved in cell cycle progression, signal transduction and transcription. In the SCF complex, serves as an adapter that links the F-box protein to CUL1. The functional specificity of the SCF complex depends on the F-box protein as substrate recognition component. SCF(BTRC) and SCF(FBXW11) direct ubiquitination of CTNNB1 and participate in Wnt signaling. SCF(FBXW11) directs ubiquitination of phosphorylated NFKBIA. SCF(BTRC) directs ubiquitination of NFKBIB, NFKBIE, ATF4, SMAD3, SMAD4, CDC25A, FBXO5, CEP68 and probably NFKB2 (PubMed:25704143). SCF(SKP2) directs ubiquitination of phosphorylated CDKN1B/p27kip and is involved in regulation of G1/S transition. SCF(SKP2) directs ubiquitination of ORC1, CDT1, RBL2, ELF4, CDKN1A, RAG2, FOXO1A, and probably MYC and TAL1. SCF(FBXW7) directs ubiquitination of cyclin E, NOTCH1 released notch intracellular domain (NICD), and probably PSEN1. SCF(FBXW2) directs ubiquitination of GCM1. SCF(FBXO32) directs ubiquitination of MYOD1. SCF(FBXO7) directs ubiquitination of BIRC2 and DLGAP5. SCF(FBXO33) directs ubiquitination of YBX1. SCF(FBXO11) directs ubiquitination of BCL6 and DTL but does not seem to direct ubiquitination of TP53. SCF(BTRC) mediates the ubiquitination of NFKBIA at 'Lys-21' and 'Lys-22'; the degradation frees the associated NFKB1-RELA dimer to translocate into the nucleus and to activate transcription. SCF(CCNF) directs ubiquitination of CCP110. SCF(FBXL3) and SCF(FBXL21) direct ubiquitination of CRY1 and CRY2. SCF(FBXO9) directs ubiquitination of TTI1 and TELO2. SCF(FBXO10) directs ubiquitination of BCL2.

Note: This product is for in vitro research use only