Product Datasheet

Cullin 4A/4B Rabbit mAb

Catalog No: #52232

Package Size: #52232-1 50ul #52232-2 100ul

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

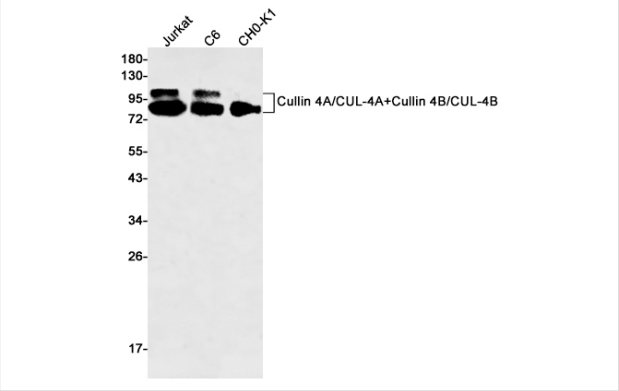
Description

Product Name	Cullin 4A/4B Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S06-3D3
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human Cullin 4B
Conjugates	Unconjugated
Modification	Unmodification
Other Names	SFM2; MRXSC; CUL-4B; MRXHF2; MRXS15
Accession No.	Swiss-Prot:Q13620GeneID:8450
Uniprot	Q13620
GeneID	8450
Calculated MW	Calculated MW: 88104 kDa; Observed MW: 88104 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.

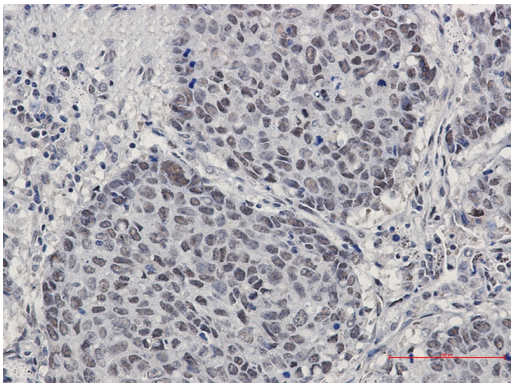
Application Details

WB: 1/1000-1/5000; IHC: 1/20-1/50;

Images



Western blot detection of Cullin 4A/CUL-4A+Cullin 4B/CUL-4B in Jurkat,C6,CHO-K1 cell lysates using Cullin 4A/CUL-4A+Cullin 4B/CUL-4B Rabbit mAb(1:500 diluted).Predicted band size:88-104kDa.Observed band size:88-104kDa.



Immunohistochemistry of Cullin 4A/B in paraffin-embedded Human lung cancer tissue using Cullin 4A/B Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.Q13620.Core component of multiple cullin-RING-based E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. The functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition subunit. CUL4B may act within the complex as a scaffold protein, contributing to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. Plays a role as part of the E3 ubiquitin-protein ligase complex in polyubiquitination of CDT1, histone H2A, histone H3 and histone H4 in response to radiation-induced DNA damage. Targeted to UV damaged chromatin by DDB2 and may be important for DNA repair and DNA replication. Required for ubiquitination of cyclin E, and consequently, normal G1 cell cycle progression. Regulates the mammalian target-of-rapamycin (mTOR) pathway involved in control of cell growth, size and metabolism. Specific CUL4B regulation of the mTORC1-mediated pathway is dependent upon 26S proteasome function and requires interaction between CUL4B and MLST8.

Note: This product is for in vitro research use only