

Cullin 4A/4B Monoclonal Antibody | anti-CUL4B antibody

Cullin 4A/4B Rabbit mAb

CATALOG # AAA314336	HOST Recombinant Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Cullin 4A/4B; Monoclonal Antibody; Cullin 4A/4B Rabbit mAb; SFM2; MRXSC; CUL-4B; MRXHF2; MRXS15; anti-CUL4B antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S06-3D3
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-CUL4B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human Cullin 4B
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

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



WB (Western Blot)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-CUL4B antibody	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.
Product Categories/Family for anti-CUL4B antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439468
NCBI GeneID	8450
UniProt Accession #	Q13620; Q6PIE4; Q6UP07; Q7Z673; Q9BY37; Q9UEB7; Q9UED7; B1APK5; B3KVVX4; B7Z5K8
Molecular Weight	84,017 Da
NCBI Official Full Name	Cullin-4B
NCBI Official Synonym Full Names	cullin 4B
NCBI Official Symbol	CUL4B
NCBI Official Synonym Symbols	SFM2; MRXSC; CUL-4B; MRXHF2; MRXS15
NCBI Protein Information	cullin-4B
UniProt Protein Name	Cullin-4B
UniProt Gene Name	CUL4B
UniProt Synonym Gene Names	KIAA0695; CUL-4B
UniProt Entry Name	CUL4B_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://stage.aaabiotech.com/monoclonal/cullin-4a-4b-antibody-clone-s06-3d3-immunohistochemistry-western-blot-elisa/314336>