

Rabbit CUL4A Polyclonal Antibody | anti-CUL4A antibody

CUL4A antibody

CATALOG # AAA305152	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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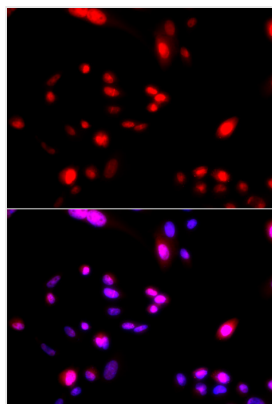
PRODUCT SYNONYMS

CUL4A; Polyclonal Antibody; CUL4A antibody; anti-CUL4A antibody

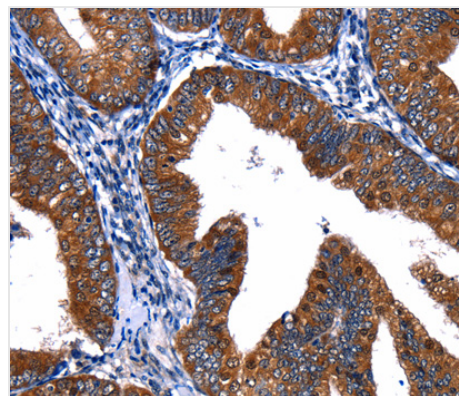
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total CUL4A antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	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.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	759
Applicable Applications for anti-CUL4A antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human CUL4A.
Target Name	CUL4A
Preparation and Storage	Store at -20 degree C

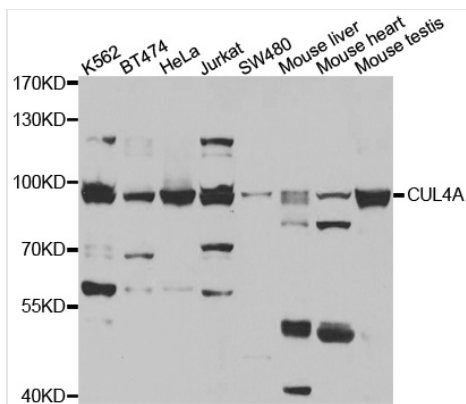
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using CUL4A antibody. Blue: DAPI for nuclear staining. DNA damage by a UV-A laser.


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human cervical cancer tissue using CUL4A antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CUL4A antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CUL4A antibody

CUL4A is the ubiquitin ligase component of a multimeric complex involved in the degradation of DNA damage-response proteins. Core component of multiple cullin-RING-based E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1. The functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component. DCX(DET1-COP1) directs ubiquitination of JUN. DCX(DDB2) directs ubiquitination of XPC.

Product Categories/Family for anti-CUL4A antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	57165424
NCBI GeneID	8451
NCBI Accession #	NP_001008895.1
NCBI GenBank Nucleotide #	NM_001008895.2
UniProt Accession #	Q13619; O75834; Q589T6; Q5TC62; Q6UP08; Q9UP17; A2A2W2
Molecular Weight	76,821 Da
NCBI Official Full Name	cullin-4A isoform 1
NCBI Official Synonym Full Names	cullin 4A
NCBI Official Symbol	CUL4A
NCBI Protein Information	cullin-4A
UniProt Protein Name	Cullin-4A
UniProt Gene Name	CUL4A
UniProt Synonym Gene Names	CUL-4A
UniProt Entry Name	CUL4A_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.