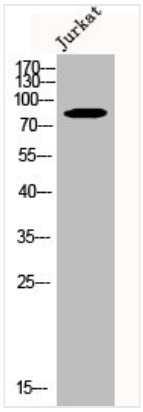
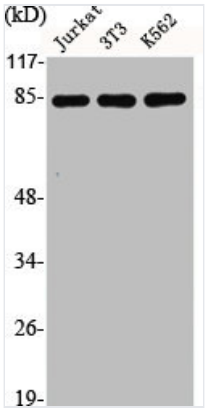
CUL2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CUL2, Polyclonal Antibody
Full Product Name	CUL2 Antibody
Product Gene Name	anti-CUL2 antibody
Product Synonym Names	CUL2; Cullin-2; CUL-2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	86,983 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (35297479..35379570, complement). Location: 10p11.21
OMIM	603135
3D Structure	ModBase 3D Structure for Q13617
Immunogen	Synthesized peptide derived from the C-terminal region of human CUL-2.
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-CUL2 antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CUL2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-CUL2 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 IF: 1:200-1:1000 ELISA: 1:20000
Related Product Information for anti-CUL2 antibody	MBS7121917 is an antibody targeting CUL2. Also known as CUL2 Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-CUL2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-CUL2 antibody
Western Blot analysis of Jurkat cells using CUL-2 Polyclonal Antibody



Western Blot (WB) of anti-CUL2 antibody
Western Blot analysis of Jurkat NIH-3T3 K562 cells using CUL-2 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CUL2. It may not necessarily be applicable to this product.

NCBI GI #	311771637
NCBI GeneID	8453
NCBI Accession #	NP_001185706.1
UniProt Primary Accession #	Q13617
UniProt Secondary Accession #	O00200; Q5T2B6; Q9UNF9; B3KT95; B7Z6K8; D3DRY6; G3V1S2
UniProt Related Accession #	Q13617
GenBank Nucleotide #	NM_001198777.1
NCBI Official Full Name	cullin-2 isoform c
NCBI Official Synonym Full Names	cullin 2
NCBI Official Symbol	CUL2
UniProt Protein Name	Cullin-2
Protein Family	Cullin
UniProt Gene Name	CUL2
UniProt Synonym Gene Names	CUL-2
UniProt Entry Name	CUL2_HUMAN
NCBI Protein Information	cullin-2; CUL-2

UniProt Comments for CUL2	CUL2: Core component of multiple cullin-RING-based ECS (ElonginB/C-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of target proteins. May serve as a rigid scaffold in the complex and 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 ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF). Belongs to the cullin family. Protein type: Cell cycle regulation; Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 10p11.21 Cellular Component: Cul2-RING ubiquitin ligase complex; nucleoplasm; cytosol Molecular Function: protein binding; ubiquitin protein ligase binding Biological Process: ubiquitin-dependent protein catabolic process; negative regulation of cell proliferation; viral reproduction; protein ubiquitination; cell cycle arrest; G1/S transition of mitotic cell cycle
Research Articles on CUL2	**1.** a novel link between the oncoprotein PRAME and the conserved EKC complex
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