

Rabbit anti-Human, Mouse Cullin 2 Polyclonal Antibody | anti-CUL2 antibody

Cullin 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320788	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cullin 2; Polyclonal Antibody; Cullin 2 Antibody; Cul2; CUL 2; CUL-2; CUL2; CUL2_HUMAN; cullin 2; cullin homolog 2; Cullin-2; MGC131970; anti-CUL2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Cullin 2 antibody detects endogenous levels of total Cullin 2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	745
Applicable Applications for anti-CUL2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cullin 2
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (94%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using Cullin 2 Antibody. Lane 1 was treated with the blocking peptide.



IHC (Immunohistochemistry)

AAA320788 at 1/200 staining human testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



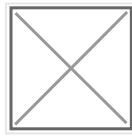
IF (Immunofluorescence)

AAA320788 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on LOVO cell lysate using Cullin 2 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA320788 staining MCF-7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CUL2 antibody	Function: 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. ECS complexes and ARIH1 collaborate in tandem to mediate ubiquitination of target proteins (PubMed:27565346). 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). Post-translational Modifications: Neddylated; which enhances the ubiquitination activity of ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes. CBC(VHL) complex formation seems to promote neddylation. Deneddylated via its interaction with the COP9 signalosome (CSN) complex (By similarity). Similarity: Belongs to the cullin family.
References	Meng J, Chen S, Han JX, Qian B, Wang XR, Zhong WL, Qin Y, Zhang H, Gao WF, Lei YY, Yang W, Yang L, Zhang C, Liu HJ, Liu YR, Zhou HG, Sun T, Yang C; Journal: Cancer Res. Twist1 Regulates Vimentin through Cul2 Circular RNA to Promote EMT in Hepatocellular Carcinoma.

NCBI AND UNIPROT INFORMATION

NCBI GI #	311771637
NCBI GeneID	8453
NCBI Accession #	NP_001185706.1
NCBI GenBank Nucleotide #	NM_001198777.1
UniProt Accession #	Q13617 ; O00200 ; Q5T2B6 ; Q9UNF9 ; B3KT95 ; B7Z6K8 ; D3DRY6 ; G3V1S2
Molecular Weight	Observed: 82 kDa; 84 kDa Predicted: 87 kDa
NCBI Official Full Name	cullin-2 isoform c
NCBI Official Synonym Full Names	cullin 2
NCBI Official Symbol	CUL2
NCBI Protein Information	cullin-2
UniProt Protein Name	Cullin-2

UniProt Gene Name	CUL2
UniProt Synonym Gene Names	CUL-2

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/polyclonal/cullin-2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320788>