

CUL-2 rabbit pAb antibody

Applications Catalog no :	WB,IHC,IF,ELISA Source:	Concentration :	Mol.Wt. (Da):
Reactivity	Human,Mouse		
Dilution	WB: 1:500 - 1:2000. IHC: 1:100 - 1:300. IF: 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.		
Storage	-20°C/1 year		
Specificity	CUL-2 Polyclonal Antibody detects endogenous levels of CUL-2 protein.		
Source / Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.		
Immunogen	The antiserum was produced against synthesized peptide derived from human Cullin 2. AA range:696-745		
Uniprot No	Q13617		
Alternative names	CUL2; Cullin-2; CUL-2		
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.		
Clonality	Polyclonal		
Isotype	IgG		
Conjugation			
Background	<p>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. 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 (By similarity). The functional specificity of the ECS complex depends on the substrate recognition component. ECS(VHL) mediates the ubiquitination of hypoxia-inducible factor (HIF).,pathway:Protein modification; protein ubiquitination.,PTM:CBC(VHL) complex formation seems to promote neddylation. Deneddylated via its interaction with the COP9 signalosome (CSN) complex.,similarity:Belongs to the cullin family.,subunit:Component of multiple ECS (Elongin BC-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes formed of CUL2, Elongin BC (TCEB1 and TCEB2), RBX1 and a variable substrate-specific adapter. Component of the ECS(VHL) or CBC(VHL) complex containing VHL. Component of the ECS(MED8) complex with the probable substrate recognition component MED8 (By similarity). Component of the ECS(PPIL5) complex with the probable substrate recognition component PPIL5. Component of a probable ECS E3 ubiquitin-protein ligase complex containing CUL2, RBX1, TCEB1, TCEB2 and FEM1B. Part of an E3 ubiquitin-protein ligase complex including ZYG11B, CUL2 and Elongin BC. Part of an E3 ubiquitin-protein ligase complex including ZYG11BL, CUL2 and Elongin BC.Interacts with RBX1, RNF7, FEM1B and TIP120A/CAND1. Interacts with COPS2, and MED8 (By similarity). Interacts with human respiratory syncytial virus (HRSV) protein NS1.,</p>		

Product Images:**Application Key:**

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP-Chromatin Immunoprecipitation

IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

Species Cross-Reactivity Key:

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster

X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All

Species Expected

Trademarks

All product names and trademarks are the property of their respective owners.

Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

Contact and Support:

To ask questions, solve problems, suggest enhancements and report new applications, please visit our [Online Technical Support Site](#).

To call, write, fax, or email us, please visit www.aabsci.cn, contact information will be displayed.
