

ARG58018 anti-Cullin 2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cullin 2
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cullin 2
Species	Human
Immunogen	Synthetic peptide around the middle region of Human Cullin 2. (HECQQRMVADHLQLHA)
Conjugation	Un-conjugated
Alternate Names	Cullin-2; CUL-2

Application Instructions

Application table	Application	Dilution
	WB	0.5 - 1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~87 kDa	

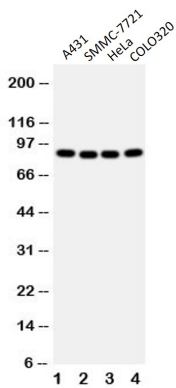
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

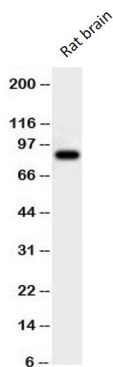
Gene Symbol	CUL2
Gene Full Name	cullin 2
Function	Core component of multiple cullin-RING-based ECS (ElonginB/C-CUL2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination of target proteins. May serve as a rigid scaffold in the complex and may contribute to catalysis 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). [UniProt]
Calculated Mw	87 kDa
PTM	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). [UniProt]

Images



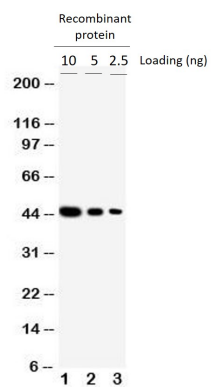
ARG58018 anti-Cullin 2 antibody WB image

Western blot: 1) A431, 2) SMMC-7721, 3) HeLa and 4) COLO320 cell lysates stained with ARG58018 anti-Cullin 2 antibody.



ARG58018 anti-Cullin 2 antibody WB image

Western blot: Rat brain tissue lysate stained with ARG58018 anti-Cullin 2 antibody.



ARG58018 anti-Cullin 2 antibody WB image

Western blot: 1) 10 ng, 2) 5 ng and 3) 2.5 ng of recombinant Human protein stained with ARG58018 anti-Cullin 2 antibody.