

ARG59155 anti-Cullin 5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Cullin 5
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Cullin 5
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-300 of Human Cullin 5 (NP_003469.2).
Conjugation	Un-conjugated
Alternate Names	VACM-1; CUL-5; VACM1; Vasopressin-activated calcium-mobilizing receptor 1; Cullin-5

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	PC3	
Observed Size	98 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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. 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	CUL5
Gene Full Name	cullin 5
Function	Core component of multiple SCF-like ECS (Elongin-Cullin 2/5-SOCS-box protein) 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 functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component. ECS(SOCS1) seems to direct ubiquitination of JAK2. Seems to be involved in proteosomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein. May form a cell surface vasopressin receptor. [UniProt]
Calculated Mw	91 kDa
PTM	Neddylated; which enhances the ubiquitination activity of SCF and prevents binding of the inhibitor CAND1. Deneddylated via its interaction with the COP9 signalosome (CSN). [UniProt]

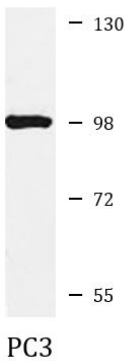
Images



ARG59155 anti-Cullin 5 antibody WB image

Western blot: HEK293T stained with ARG59155 anti-Cullin 5 antibody.

From Li Y et al. Cell Reports (2024), [doi: 10.1016/j.celrep.2024.113749](https://doi.org/10.1016/j.celrep.2024.113749), Fig. 5. B.



ARG59155 anti-Cullin 5 antibody WB image

Western blot: 25 µg of PC3 cell lysate stained with ARG59155 anti-Cullin 5 antibody at 1:1000 dilution.