

For Research Use Only

Cullin 5 Recombinant antibody

Catalog Number:83869-1-RR



Basic Information

Catalog Number: 83869-1-RR	GenBank Accession Number: BC063306	Purification Method: Protein A purification
Size: 100ul , Concentration: 200 ug/ml by Nanodrop;	GeneID (NCBI): 8065	CloneNo.: 240737A12
Source: Rabbit	UNIPROT ID: Q93034	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Full Name: cullin 5	
Immunogen Catalog Number: AG34620	Calculated MW: 91 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, HEK-293T cells, LNCaP cells, NIH/3T3 cells
Species Specificity: human, mouse	

Background Information

The cullin family proteins are scaffold proteins for the RING finger type E3 ligases, participating in the proteolysis through the ubiquitin-proteasome pathway. In humans, there are eight members of cullins, including CUL1, 2, 3, 4A, 4B, 5, 7, and CUL9 with an evolutionarily conserved cullin homology domain at the C-terminus, responsible for their interaction with the RING protein, assembling 8 cullin-based RING dependent E3 ubiquitin ligases to target thousands of substrates for ubiquitination and degradation (PMID: 32334051). Cullin 5 is the key scaffolding protein of Cullin RING ligase-5 (CRL-5). Cullin 5 plays positive roles in regulating cell growth, proliferation and physiological and other processes in the human body (PMID: 32194910). Cullin 5 has been detected in the form of double bands in the results of Western blot, which might be caused by neddylation (PMID: 36449095; 31294695).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

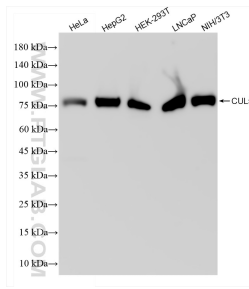
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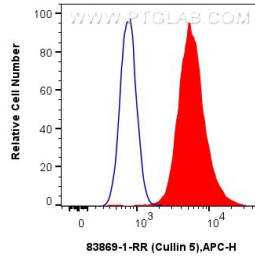
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83869-1-RR (CUL5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug Cullin 5 Recombinant antibody (83869-1-RR, Clone:240737A12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).