

For Research Use Only

# Cullin 5 Recombinant antibody

Catalog Number:83869-1-RR



## Basic Information

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

## Applications

**Tested Applications:**  
WB, FC (Intra), ELISA

**Species Specificity:**  
human, mouse

### Positive Controls:

WB : HeLa cells, HepG2 cells, HEK-293T cells, LNCaP cells, NIH/3T3 cells

## 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

For technical support and original validation data for this product please contact:

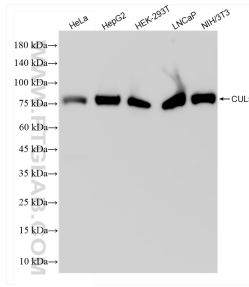
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

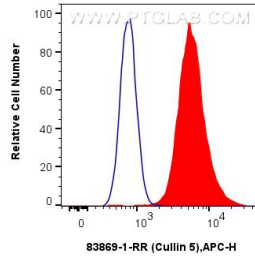
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## Selected Validation Data



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.



$1 \times 10^6$  MCF-7 cells were intracellularly stained with 0.25  $\mu$ g Cullin 5 Recombinant antibody (83869-1-RR, Clone:240737A12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25  $\mu$ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).