

For Research Use Only

CUL1 Recombinant antibody

Catalog Number: 82474-1-RR

Featured Product



Basic Information

Catalog Number:

82474-1-RR

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3585

GenBank Accession Number:

BC034318

GeneID (NCBI):

8454

UNIPROT ID:

Q13616

Full Name:

cullin 1

Calculated MW:

90 kDa

Observed MW:

90 kDa

Purification Method:

Protein A purification

CloneNo.:

5K17

Recommended Dilutions:

WB 1:2000-1:17000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

Human, rat, mouse

Positive Controls:

WB : HeLa cells, A549 cells, HEK-293 cells, MCF-7 cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

IP : HeLa cells,

Background Information

The cullin family proteins are scaffold proteins for the Ring finger type E3 ligases. Humans express seven cullin proteins: CUL1-3, CUL4A, CUL4B, CUL5, and CUL7. Each cullin protein can form an E3 ligase similar to the prototype Ring-type E3 ligase Skp1-CUL1-F-box complex. The Cullin-RING-finger type E3 ligases are important regulators in early embryonic development, as highlighted by genetic studies demonstrating that knock-out of CUL1, CUL3, or CUL4A in mice results in early embryonic lethality.

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:

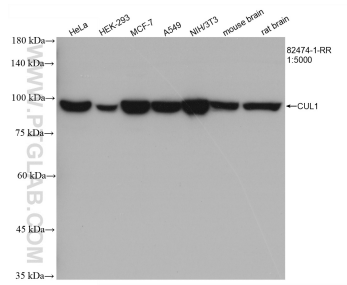
T: 4006900926

E: Proteintech-CN@ptglab.com

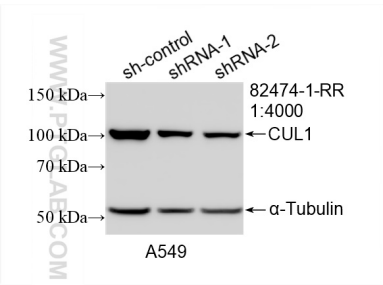
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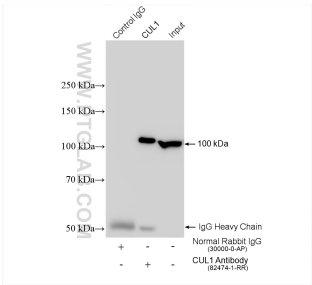
Selected Validation Data



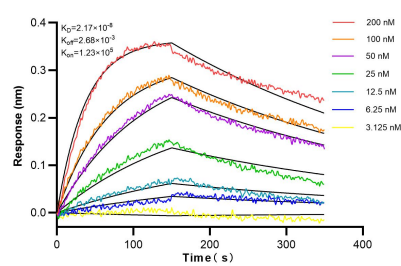
Various lysates were subjected to SDS PAGE followed by western blot with 82474-1-RR (CUL1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of CUL1 antibody (82474-1-RR; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CUL1 transfected A549 cells.



IP result of anti-CUL1 (IP: 82474-1-RR, 4ug; Detection: 82474-1-RR 1:1000) with HeLa cells lysate 1280 ug.



Biolayer interferometry (BLI) kinetic assays of 82474-1-RR against Human CUL1 were performed. The affinity constant is 21.7 nM.