

For Research Use Only

CUL2 Monoclonal antibody

Catalog Number: 67175-1-Ig **Featured Product**



Basic Information

Catalog Number: 67175-1-Ig	GenBank Accession Number: BC009591	Purification Method: Protein G purification
Size: 150ul , Concentration: 2300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8453	CloneNo.: 1A6G9
Source: Mouse	Full Name: cullin 2	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:250-1:1000 IF 1:200-1:800
Isotype: IgG1	Calculated MW: 87 kDa	
Immunogen Catalog Number: AG28654	Observed MW: 85-90 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Species Specificity:

Human, Rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF-7 cells, HeLa cells, HEK-293 cells, PC-3 cells, HSC-T6 cells, Raji cells

IHC : human breast cancer tissue, human prostate cancer tissue

IF : HeLa 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. 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

***** 20ul sizes contain 0.1% BSA**

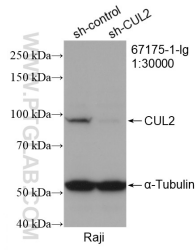
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

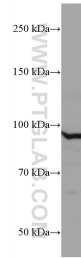
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

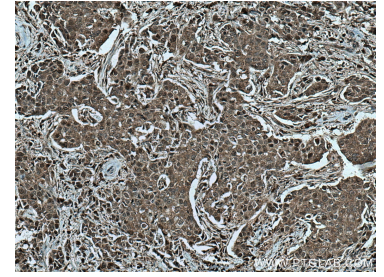
Selected Validation Data



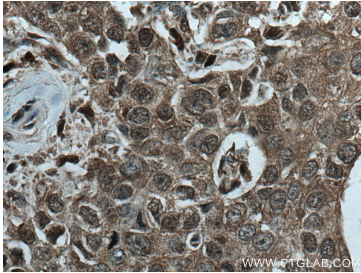
WB result of CUL2 antibody (67175-1-Ig: 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CUL2 transfected Raji cells.



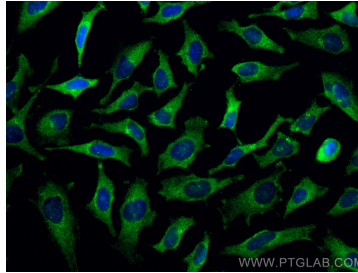
MCF-7 cells were subjected to SDS PAGE followed by western blot with 67175-1-Ig (CUL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67175-1-Ig (CUL2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67175-1-Ig (CUL2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CUL2 antibody (67175-1-Ig, Clone: 1A6G9) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).