

For Research Use Only

CoraLite®594-conjugated CUL1 Monoclonal antibody

Catalog Number: CL594-66978



Basic Information

Catalog Number:

CL594-66978

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG28399

GenBank Accession Number:

BC034318

GeneID (NCBI):

8454

UNIPROT ID:

Q13616

Full Name:

cullin 1

Calculated MW:

90 kDa

Observed MW:

85 kDa

Purification Method:

Protein A purification

CloneNo.:

1B6D10

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HEK-293 cells,

FC (Intra) : HEK-293 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

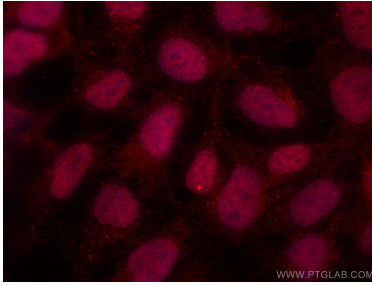
T: 4006900926

E: Proteintech-CN@ptglab.com

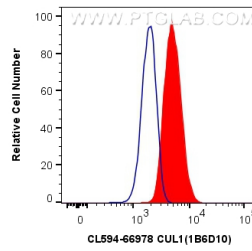
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using CoraLite®594 CUL1 antibody (CL594-66978, Clone: 1B6D10) at dilution of 1:200.



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human CUL1 (CL594-66978, Clone:1B6D10) (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).