

For Research Use Only

CoraLite®594-conjugated CUL1 Monoclonal antibody



Catalog Number:CL594-66978

Basic Information

Catalog Number: CL594-66978	GenBank Accession Number: BC034318	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8454	CloneNo.: 1B6D10
Source: Mouse	Full Name: cullin 1	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Calculated MW: 90 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG28399	Observed MW: 85 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HEK-293 cells,
Species Specificity: Human, Mouse, Rat	

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

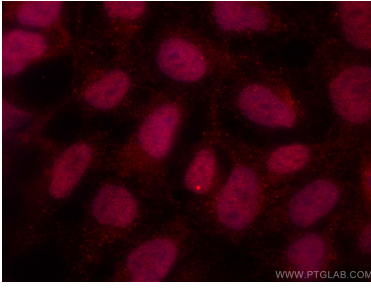
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

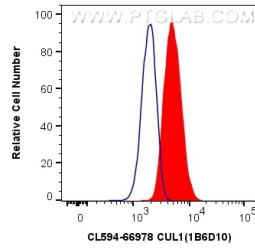
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

Selected Validation Data



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).