

For Research Use Only

CoraLite® Plus 488-conjugated CUL4B Recombinant monoclonal antibody

Catalog Number: CL488-85001-4



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-85001-4	BC036216	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
100ul, Concentration: 1000 ug/ml by Nanodrop;	8450	242626F11
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q13620	IF/ICC: 1:300-1:1200
Isotype:	Full Name:	Excitation/Emission maxima
IgG	cullin 4B	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
AG3563	913 aa, 104 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HeLa cells,
Species Specificity:	
human	

Background Information

Cullin-RING ligases (CRLs) complexes participate in the regulation of diverse cellular processes, including cell cycle progression, transcription, signal transduction and development (PMID: 21816341)(PMID: 21554755). Serving as the scaffold protein, cullins are crucial for the assembly of ligase complexes, which recognize and target various substrates for proteosomal degradation. Two cullin 4 (CUL4) proteins, CUL4A (87 kDa) and CUL4B(104 kDa), are two members in cullin family with 83% of identity. Mutations in human CUL4B are one of the major causes of X-linked mental retardation. Cul4b knockout mice demonstrated that CUL4B is indispensable for embryonic development in the mouse (PMID: 22606329).

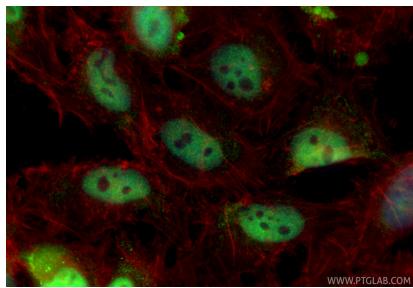
Storage

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: 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 HeLa cells using Coralite® Plus 488 CUL4B antibody (CL488-85001-4, Clone: 242626F11) at dilution of 1:600, CL594-Phalloidin (red).