

For Research Use Only

CoraLite® Plus 647-conjugated UCHL1/PGP9.5 Monoclonal antibody



Catalog Number: CL647-66230

Featured Product

Basic Information

Catalog Number: CL647-66230	GenBank Accession Number: BC000332	Purification Method: Protein G purification
Size: 100ul , Concentration: 1 mg/mL by Nanodrop;	GeneID (NCBI): 7345	CloneNo.: 1C9E11
Source: Mouse	Full Name: ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 25 kDa	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG6547	Observed MW: 27 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : SH-SY5Y cells,
Species Specificity: human, mouse, pig, rat	

Background Information

Ubiquitin C-terminal hydrolase L1 (UCHL1) was originally identified as a neuronal protein that accounts for nearly 2% of total brain proteins. UCHL1 activity protects neurons from hypoxic injury, and binding of stroke-induced reactive lipid species to the cysteine 152 (C152) of UCHL1 unfolds the protein and disrupts its function. Reduced hydrolytic activity of mutant UCHL1 is implicated in the pathophysiologic process of Parkinson's and Alzheimer's disease due to abnormal neurotoxic protein aggregation. (PMID: 31356902, PMID: 30760601)

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

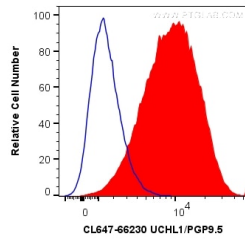
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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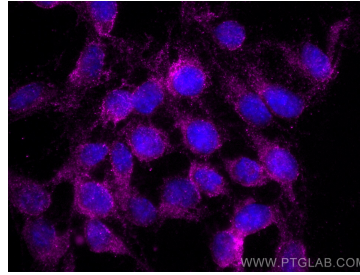
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human UCHL1/PGP9.5 (CL647-66230, Clone:1C9E11) (red), or 0.2 ug APC-65128 ; APC Mouse IgG2b Isotype Control (APC-65128, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using CoraLite® Plus 647 UCHL1/PGP9.5 antibody (CL647-66230, Clone: 1C9E11) at dilution of 1:200.