

For Research Use Only

# CoraLite®594-conjugated UCHL1/PGP9.5 Monoclonal antibody



Catalog Number: CL594-66230

1 Publications

## Basic Information

<b>Catalog Number:</b> CL594-66230	<b>GenBank Accession Number:</b> BC000332	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7345	<b>CloneNo.:</b> 1C9E11
<b>Source:</b> Mouse	<b>Full Name:</b> ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 25 kDa	
<b>Immunogen Catalog Number:</b> AG6547	<b>Observed MW:</b> 27 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Cited Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, pig, rat

**Cited Species:**  
human, rat, mouse

## Background Information

UCHL1(Ubiquitin carboxyl-terminal hydrolase isozyme L1) is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. Expression of UCHL1 is highly specific to neurons and to cells of the diffuse neuroendocrine system and their tumors. It is present in all neurons(PMID: 6343558). This protein is present in brain at concentrations at least 50 times greater than in other organs and is a major protein component of neuronal cytoplasm (PMID:7217993). And UCHL1 is a Parkinson's disease susceptibility gene (PMID:15048890).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Li Zhang	37614042	Br J Pharmacol	FC (Intra)

## 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.

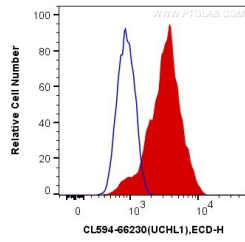
Aliquoting is unnecessary for -20°C storage

\*\*\* 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

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## Selected Validation Data



1X10<sup>6</sup> Y79 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human UCHL1/PGP9.5 (CL594-66230, Clone:1C9E11) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL594-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).