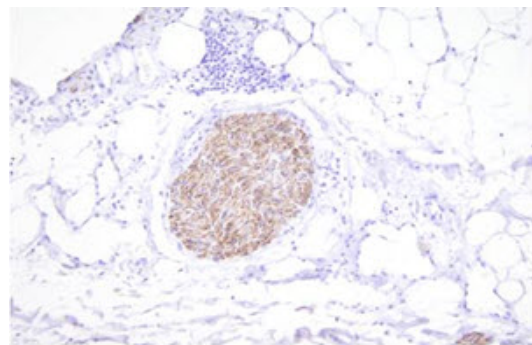


AM09027PU-S**Monoclonal Antibody to UCHL1 / PGP9.5 - Purified**

Alternate names:	Neuron cytoplasmic protein 9.5, PGP 9.5, UCH-L1, Ubiquitin carboxyl-terminal hydrolase isozyme L1, Ubiquitin thioesterase L1
Quantity:	50 µl
Concentration:	1.0 mg/ml
Background:	PGP9.5/UCH-L1 is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. PGP9.5 is a component of the ubiquitin system, which has a fundamental role in regulating various biological activities. PGP9.5 gene encodes two opposing enzymatic activities that affect alpha-synuclein degradation and Parkinson's disease susceptibility.
Uniprot ID:	P09936
NCBI:	NP_004172.2
GeneID:	7345
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	3D9
Immunogen:	Recombinant human PGP9.5 (1-223 aa) purified from E. coli
Format:	State: Liquid purified Ig fraction Purification: Affinity Chromatography on Protein G Buffer System: PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
Applications:	ELISA. Western blot: 1/1,000-1/2,000. Flow Cytometry. Immunofluorescence/Immunocytochemistry. Immunohistochemistry on Paraffin Sections: 1/100-1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes Human and Mouse PGP9.5. Other species not tested.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Liu Y et al , (2002) Cell 111(2):209-18. 2. Mikako Sakurai.et al , (2006) Cell 119:162-171. 3. Kenji H et al , (1999) Am J Pathol 155(3):711-715.

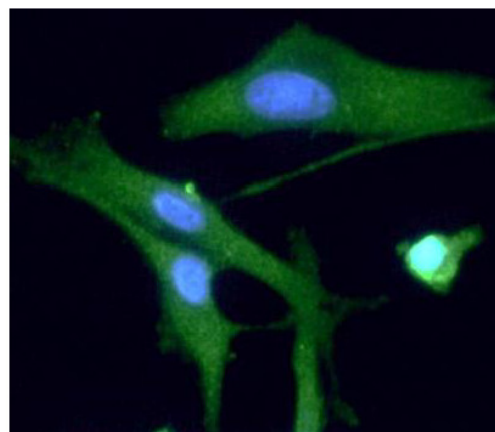
Pictures:

Immunohistochemistry: Paraffin embedded sections of human nerve tissue were incubated with anti-Human PGP9.5 Antibody Cat.-No AM09027PU at 1/100 for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)

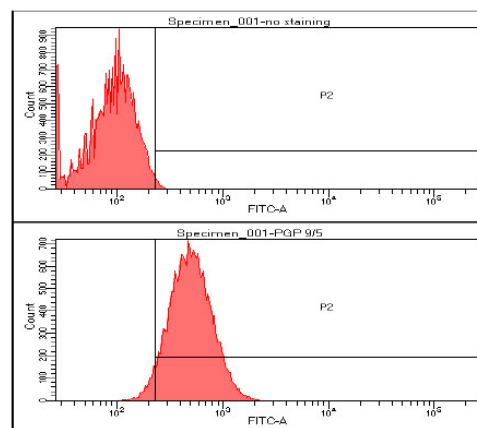


Human nerve tissue

Immunofluorescence: ICC/IF analysis of PGP9.5 in U87MG cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PGP9.5 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



Flow Cytometry Analysis of PGP9.5 in U87MG cell line staining at 2-5 ug for 1x10e6. The secondary antibody used goat anti-mouse IgG mouse IgG Alexa fluor 488 conjugate.



Western Blot Analysis: The Cell and Tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PGP9.5 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: Mouse Brain lysate. Lane 2: U87-MG cell lysate.

