

Product datasheet for **AM09027PU-S**

PGP9.5 (UCHL1) Mouse Monoclonal Antibody [Clone ID: 3D9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3D9
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA. Western blot: 1/1,000-1/2,000. Flow Cytometry. Immunofluorescence/Immunocytochemistry. Immunohistochemistry on Paraffin Sections: 1/100-1/200.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human PGP9.5 (1-223 aa) purified from E. coli
Specificity:	The antibody recognizes Human and Mouse PGP9.5. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	ubiquitin C-terminal hydrolase L1
Database Link:	Entrez Gene 7345 Human P09936



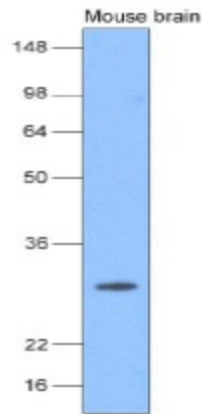
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Background:

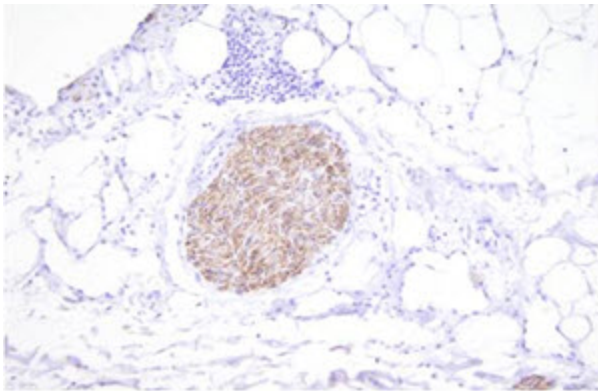
PGP9.5/UCH-L1 is a member of a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to generate the ubiquitin monomer. PGP9.5 is a component of the ubiquitin system, which has a fundamental role in regulating various biological activities. PGP9.5 gene encodes two opposing enzymatic activities that affect alpha-synuclein degradation and Parkinson's disease susceptibility.

Synonyms:

UCH-L1, PGP 9.5, Ubiquitin thioesterase L1, Neuron cytoplasmic protein 9.5

Product images:

Western blot analysis: The extracts of mouse brain (20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-Human PGP9.5 Antibody at 1/1000. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Human nerve tissue

Immunohistochemistry: Paraffin embedded sections of human nerve tissue were incubated with anti-Human PGP9.5 Antibody at 1/100 for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)