

## Product datasheet for **AP11992PU-N**

### PGP9.5 (UCHL1) (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1,000. <b>Western Blot:</b> 1/1,000. <b>Immunohistochemistry on Paraffin Sections</b> 1/50-1/100. <b>Immunofluorescence:</b> 1/10-1/50. <b>Flow CYtometry:</b> 1/10-1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of Human UCHL1.
Specificity:	This antibody is specific to UCHL1/PGP9.5 (N-term).
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) Sodium Azide
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	24824 Da
Gene Name:	ubiquitin C-terminal hydrolase L1
Database Link:	<a href="#">Entrez Gene 7345 Human P09936</a>



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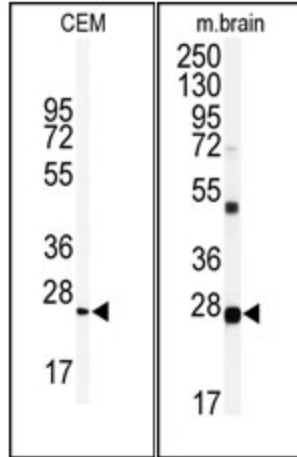
**Background:**

UCHL1 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 (Doran et al., 1983 [PubMed 6343558]).

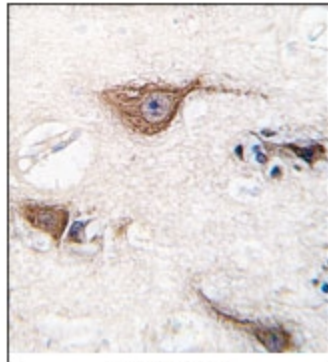
**Synonyms:**

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

**Product images:**



(LEFT) Western blot analysis of anti-UCHL1 (Park5) Antibody (N-term) in CEM cell line lysates (35ug/lane). UCHL1 (Park5) (arrow) was detected using the purified Pab. (RIGHT) Western blot analysis of anti-UCHL1 (Park5) Antibody (N-term) in mouse heart tissue lysates (35ug/lane). UCHL1 (Park5) (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with UCHL1 (Park5) antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.