

## 32-6202: Mouse Anti Human PGP9.5 (Clone:P3D9AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P3D9AT.
<b>Application :</b>	ELISA,WB,IHC
<b>Gene :</b>	UCHL1
<b>Gene ID :</b>	7345
<b>Uniprot ID :</b>	P09936
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Ubiquitin carboxyl-terminal hydrolase isozyme L1,UCH-L1,EC 3.4.19.12,Ubiquitin thioesterase L1,Neuron cytoplasmic protein 9.5,PGP 9.5,UCHL1,PGP9.5,PARK5.
<b>Isotype :</b>	Mouse IgG2a heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human PGP9.5 mAb is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PGP9.5 amino acids 1-223 purified from E. coli.

### Description

UCHL1 (PGP9.5) belongs to a gene family whose products hydrolyze small C-terminal adducts of ubiquitin to produce the ubiquitin monomer. Protein Gene Product (PGP9.5) is a neuron specific protein, structurally and immunologically distinct from neuron specific enolase. Human UCHL1 and UCHL3 have an extremely complicated knot structure for a protein, with five knot crossings. It is considered that the knot structure may increase a protein's resistance to degradation in the proteasome. The protein, which has a molecular weight of 27 kDa was first defined by high resolution two dimensional PAGE. Standard immunohistochemical techniques have demonstrated the presence of PGP9.5 in neurons and nerve fibers at all levels of the central and peripheral nervous system, in many neuroendocrine cells, in segments of the renal tubules, in spermatogonia and leydig cells of the testis, in ova and in some cells of both the pregnant and non pregnant corpus luteum. A point mutation (I93M) in UCHL1 is implicated

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	PGP9.5 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

### Application Note

PGP9.5 antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:500 ~ 1:2,000 and immunohistochemistry analysis is 1:100~200. Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:100.