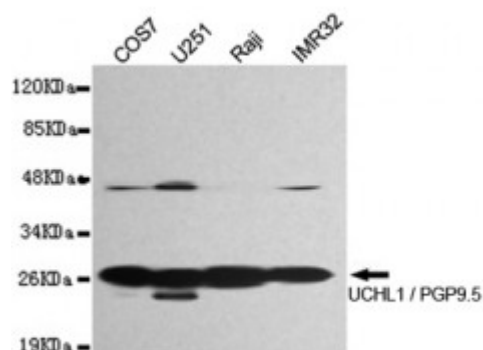


Anti-UCHL1/PGP9.5 antibody



Description	Mouse monoclonal to UCHL1/PGP9.5.
Model	STJ99166
Host	Mouse
Reactivity	Human, Simian
Applications	ELISA, WB
Immunogen	Purified recombinant human UCHL1 / PGP9.5 protein fragments expressed in E.coli.
Gene ID	7345
Gene Symbol	UCHL1
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of UCHL1 / PGP9.5 and does not cross-react with related proteins.
Tissue Specificity	Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	7B8-G5-B8
Note	For Research Use Only (RUO).
Protein Name	Ubiquitin carboxyl-terminal hydrolase isozyme L1 UCH-L1 Neuron

	cytoplasmic protein 9.5 PGP 9.5 PGP9.5 Ubiquitin thioesterase L1
Molecular Weight	25kDa
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG2b
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12513 OMIM:191342
Alternative Names	Ubiquitin carboxyl-terminal hydrolase isozyme L1 UCH-L1 Neuron cytoplasmic protein 9.5 PGP 9.5 PGP9.5 Ubiquitin thioesterase L1
Function	Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity.
Cellular Localization	Cytoplasm Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain.
Post-translational Modifications	O-glycosylated.