

# PGP9.5 Rabbit mAb

Catalog # AP75902

### **Product Information**

Application	WB, IHC-P, IHC-F, IP, ICC
Primary Accession	<u>P09936</u>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	24824

#### **Additional Information**

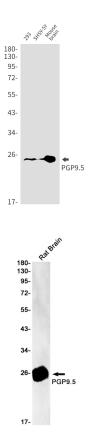
Gene ID	7345
Other Names	UCHL1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## **Protein Information**

Name UCHL1	
FunctionDeubiquitinase that plays a role in the regulation as maintenance of synaptic function, cardiac funct or osteoclastogenesis (PubMed:22212137, PubMed ubiquitination of multiple proteins including WWT beta-site amyloid precursor protein cleaving enzy (PubMed:22212137, PubMed:25615526). In additi hydrolyzes a peptide bond at the C-terminal glycin stable pool of monoubiquitin that is a key require ubiquitin-proteasome and the autophagy- lysosor (PubMed:12408865, PubMed:8639624, PubMed:2 precursor protein/APP processing by promoting E in decreased amyloid beta production (PubMed:2 immune response by regulating the ability of MHC cross-presentation compartments competent for complexes (By similarity). Mediates the 'Lys-48'-lin transcriptional coactivator WWTR1/TAZ leading to inhibition of osteoclastogenesis (By similarity). De epidermal growth factor receptor EGFR to prevent	ion, inflammatory response (23359680). Abrogates the R1/TAZ, EGFR, HIF1A and the 1/BACE1 an, recognizes and the of ubiquitin to maintain a nent for the the pathways 74100). Regulates amyloid ACE1 degradation resulting 212137). Plays a role in the I molecules to reach the enerating Ag-MHC I ked deubiquitination of the ts stabilization and ubiquitinates and stabilizes

	activate its downstream mediators (By similarity). Modulates oxidative activity in skeletal muscle by regulating key mitochondrial oxidative proteins (By similarity). Enhances the activity of hypoxia-inducible factor 1-alpha/HIF1A by abrogateing its VHL E3 ligase-mediated ubiquitination and consequently inhibiting its degradation (PubMed: <u>25615526</u> ).
Cellular Location	Cytoplasm. Endoplasmic reticulum membrane; Lipid- anchor. Note=About 30% of total UCHL1 is associated with membranes in brain. Localizes near and/or within mitochondria to potentially interact with mitochondrial proteins {ECO:0000250 UniProtKB:Q9R0P9}
Tissue Location	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.

# Images



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