PGP9.5 / UchL1 (pan-Neuronal Marker) Antibody

Mouse Monoclonal Antibody [Clone UCHL1/8152]

Catalog No	Format	Size
7345-MSM20-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7345-MSM20-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7345-MSM20-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

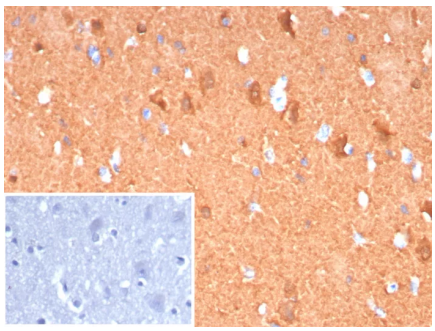
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

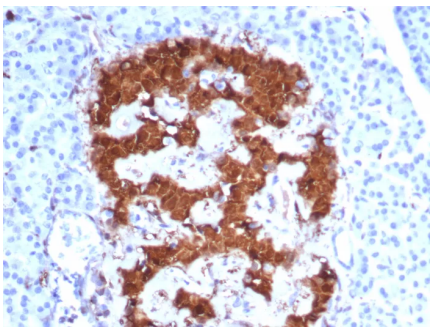
Clone	UCHL1/8152
Gene Name	UCHL1
Immunogen	Recombinant fragment (around aa1-223) of human UCHL1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	20-30kDa
Cellular Localization	Cytoplasm, Endoplasmic reticulum membrane, Membrane
Species Reactivity	Guinea Pig, Hamster, Human, Mouse, Rat
Positive Control	Human brain. Mouse Brain, Rat Brain, Hamster Brain or Guinea pig Brain

**Optimal dilution for a specific application should be determined.*

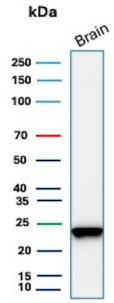
Product Images for PGP9.5 / UchL1 (pan-Neuronal Marker) Antibody



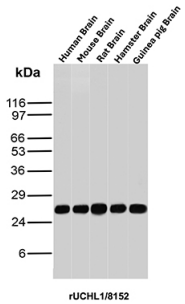
Formalin-fixed, paraffin-embedded human cerebellum stained with Pgp9.5 Mouse Monoclonal Antibody (UCHL1/8152). Inset: PBS instead of primary antibody; secondary only negative control.



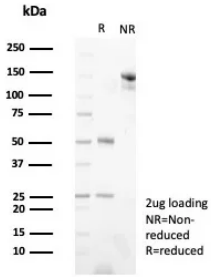
Formalin-fixed, paraffin-embedded human pancreas stained with Pgp9.5Mouse Monoclonal Antibody (UCHL1/8152). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Western blot analysis of human brain tissue lysate using PGP9.5 / UchL1 Mouse Monoclonal Antibody (UCHL1/8152).



Western blot analysis of Human Brain, Mouse Brain, Rat Brain, Hamster Brain and Guinea pig Brain using PGP9.5 / UchL1 Mouse Monoclonal Antibody (UCHL1/8152).



SDS-PAGE Analysis of Purified Pgp9.5 Mouse Monoclonal Antibody (UCHL1/8152). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

This MAb reacts with a protein of 20-30kDa, identified as PGP9.5, also known as ubiquitin carboxyl-terminal hydrolase-1 (UchL1). Initially, PGP9.5 expression in normal tissues was reported in neurons and neuroendocrine cells but later it was found in distal renal tubular epithelium, spermatogonia, Leydig cells, oocytes, melanocytes, prostatic secretory epithelium, ejaculatory duct cells, epididymis, mammary epithelial cells, Merkel cells, and dermal fibroblasts. Furthermore, immunostaining for PGP9.5 has been shown in a wide variety of mesenchymal neoplasms as well. A mutation in PGP9.5 gene is believed to cause a form of Parkinson's disease.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Neuroscience

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.