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

Mouse Monoclonal Antibody [Clone rUCHL1/775]

Catalog No	Format	Size
7345-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7345-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7345-MSM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

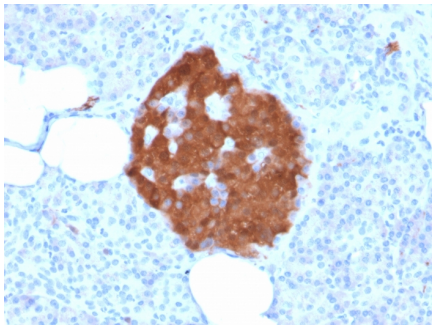
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

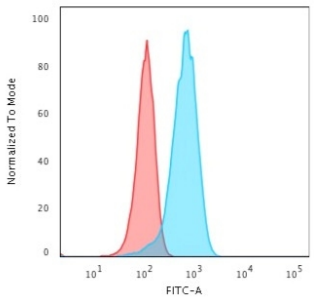
Clone	rUCHL1/775
Immunogen	Recombinant full-length human pgp9.5 (UCHL-1) protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	24.82kDa
Cellular Localization	Cytoplasm, Endoplasmic reticulum membrane
Species Reactivity	Hamster, Human, Mouse, Rat
Positive Control	Human Brain, Cerebellum. Mouse Brain, Rat Brain, Hamster Brain

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

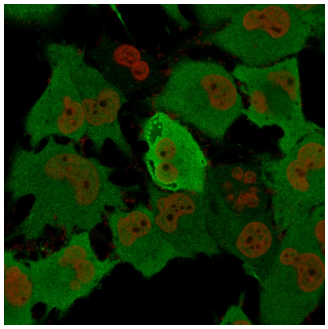
Product Images for Recombinant PGP9.5 / UchL1 (pan-Neuronal Marker) Antibody



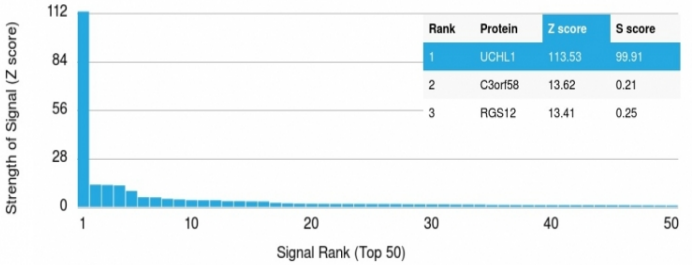
Formalin-fixed, paraffin-embedded human Pancreas stained with Pgp9.5Mouse Recombinant Monoclonal Antibody (rUCHL1/775).



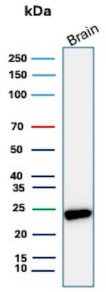
Flow Cytometric Analysis of T98G cells using Pgp9.5 Mouse Recombinant MAb (rUCHL1/775) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



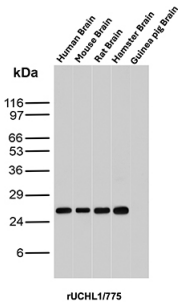
Immunofluorescence Analysis of T98G cells labeling Pgp9.5 with Pgp9.5Mouse Recombinant MAb (rUCHL1/775) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Nucspot (Red).



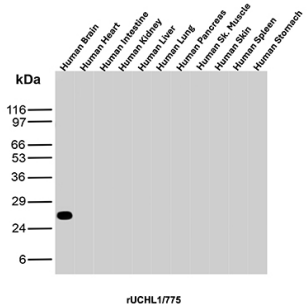
Analysis of Protein Array containing >19,000 full-length human proteins using Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCHL1/775) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



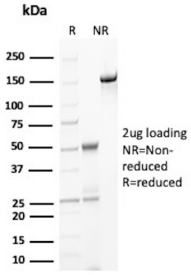
Western blot analysis of human brain tissue lysate using PGP9.5 / UchL1 Recombinant Mouse Monoclonal Antibody (rUCHL1/775).



Western blot analysis of Human Brain, Mouse Brain, Rat Brain, Hamster Brain and Guinea pig Brain tissue lysates using PGP9.5 / UchL1 Recombinant Mouse Monoclonal Antibody (rUCHL1/775).



Western blot analysis of Human Brain, Human Heart, Human Intestine, Human Kidney, Human Liver, Human Lung, Human Pancreas, Human Skeletal muscle, Human Skin, Human Spleen and Human Stomach tissue lysates using PGP9.5 / UchL1 Recombinant Mouse Monoclonal Antibody (rUCHL1/775).



SDS-PAGE Analysis of Purified Ubiquitin carboxyl-terminal hydrolase isozyme L1 Recombinant Mouse Monoclonal Antibody (rUCHL1/775). Confirmation of Purity and Integrity of Antibody.

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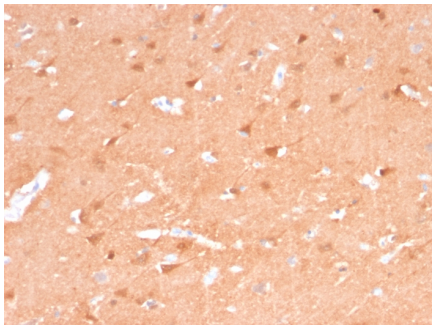

Formalin-fixed, paraffin-embedded human Cerebellum stained with Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCHL1/775).

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 produced in a mammalian-based expression system. 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.

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.