

Recombinant PGP9.5 / Uchl1 (pan-Neuronal Marker) Antibody

Mouse Monoclonal Antibody [Clone rUchl1/775]

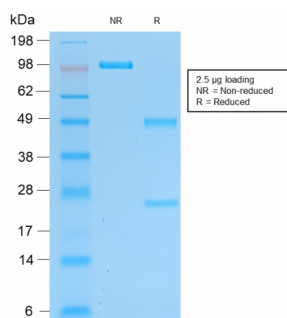
Catalog No	Format	Size
7345-MSM5-P0	Purified Ab with BSA and Azide	200ug/ml
7345-MSM5-P1	Purified Ab with BSA and Azide	200ug/ml
7345-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

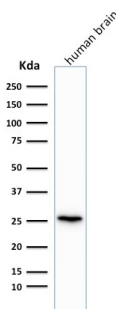
Product Details	
Clone	rUchl1/775
Gene Name	UCHL1
Immunogen	Recombinant full-length human UCHL1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	20-30kDa
Cellular Localization	Cytoplasm, Endoplasmic reticulum membrane
Species Reactivity	Dog, Human, Rat
Positive Control	Cerebellum.

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

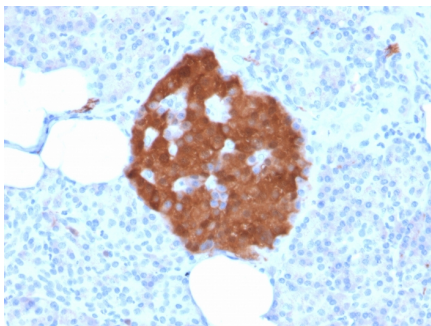
Product Images for Recombinant PGP9.5 / Uchl1 (pan-Neuronal Marker) Antibody



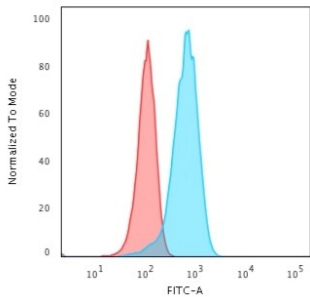
SDS-PAGE Analysis Purified Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUchl1/775). Confirmation of Purity and Integrity of Antibody.



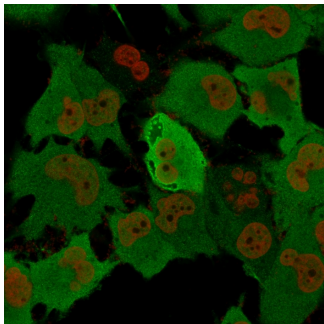
Western Blot Analysis of human brain tissue lysate using Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUchl1/775).



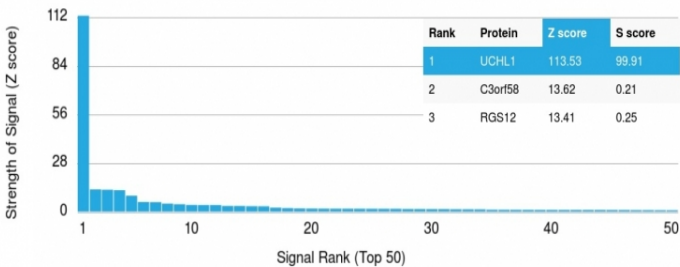
Formalin-fixed, paraffin-embedded human Pancreas stained with Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCHL1/775).



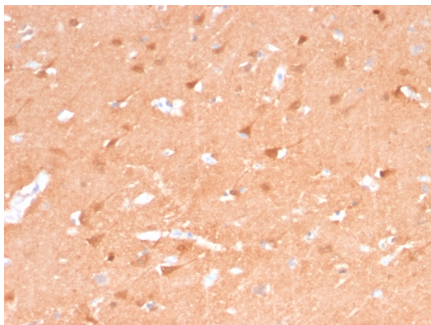
Flow Cytometric Analysis of T98G cells using Pgp9.5 Mouse Recombinant MAb (rUCHL1/775) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunofluorescence Analysis of T98G cells labeling Pgp9.5 with Pgp9.5 Mouse 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.



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

Specificity & Comments

This MAbs 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.

Research Areas

Neuroscience

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | Flow Cytometry (1-2ug/million cells) | Immunofluorescence (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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) | Optimal dilution for a specific application should be determined.

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.

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.