

12-1238: Anti-PGP9.5 / Uchl1 (pan-Neuronal Marker) Recombinant Mouse Monoclonal Antibody (Clone:rUchl1/775)

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| Clonality : | Monoclonal |
| Clone Name : | rUchl1/775 |
| Application : | WB,FACS,IF,IHC |
| Reactivity : | Human, Rat |
| Gene : | Uchl1 |
| Gene ID : | 7345 |
| Uniprot ID : | P09936 |
| Format : | Purified |
| Alternative Name : | Gracile Axonal Dystrophy; Neuron Cytoplasmic Protein 9.5; Park5; Parkinson Disease 5; PGP95; Protein Gene Product 9.5; Ubiquitin Carboxyl-terminal Esterase L1; Ubiquitin Carboxyl-terminal Hydrolase Isozyme L1; Ubiquitin Thioesterase L1; Ubiquitin Thiolesterase L1 |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Recombinant full-length human Uchl1 protein |

Description

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.

Product Info

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| Amount : | 20 µg / 100 µg |
| Purification : | Protein A/G |
| Content : | 200µg/ml of recombinant MAb purified 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 condition : | 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. |

Application Note

Western Blot (1-2µg/ml); Flow Cytometry (1-2µg/million cells); Immunofluorescence (1-2µg/ml); Immunohistochemistry (Formalin-fixed) (1-2µg/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);

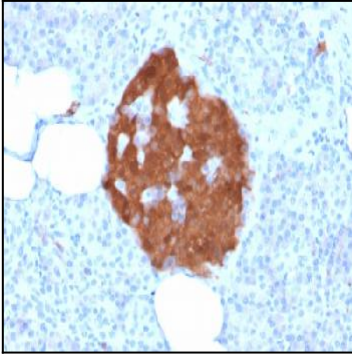


Figure 1: Formalin-fixed, paraffin-embedded Human Pancreas stained with Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCLH1/775).

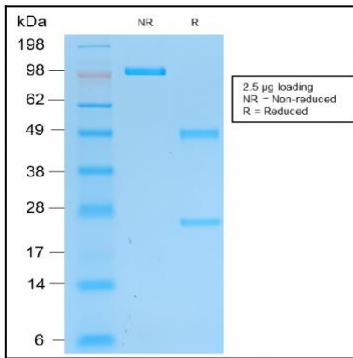


Figure 2: SDS-PAGE Analysis of Purified Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCLH1/775)