

36-1788: Monoclonal Antibody to PGP9.5 / UchL1 (pan-Neuronal Marker)(Clone : SPM574)

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| Clonality : | Monoclonal |
| Clone Name : | SPM574 |
| Application : | WB,IF,IHC |
| Reactivity : | Human, Mouse, Rat |
| Gene : | UCHL1 |
| Gene ID : | 7345 |
| Uniprot ID : | P09936 |
| Format : | Purified |
| Alternative Name : | UCHL1 |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Native UchL1 (PGP9.5) protein from brain |

Description

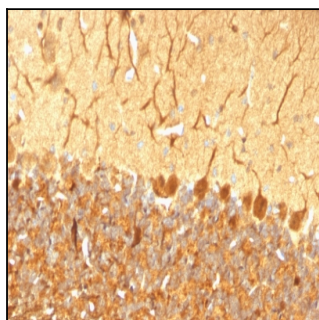
This MAbs reacts with a protein of 20-30kDa, identified as PGP9.5, also known as ubiquitin carboxyl-terminal hydrolase-1 (UchL1). Initially, PGP9.5 expression in normal tissues was reported in neurons and neuroendocrine cells but later it was found in distal renal tubular epithelium, spermatogonia, Leydig 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.

Product Info

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| Amount : | 100 µg |
| Purification : | Affinity Chromatography |
| Content : | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Western Blot (1-2ug/ml); 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);



Formalin-fixed, paraffin-embedded Rat Cerebellum stained with Pgp9.5 / UchL1 Monoclonal Antibody (SPM574).