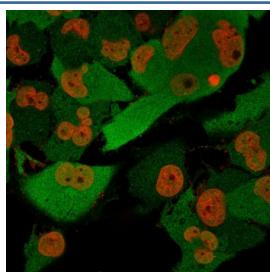


Anti-PGP9.5 Antibody [clone SPM574] (V9096)

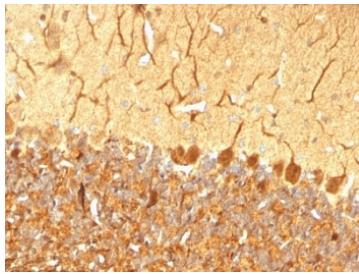
Catalog No.	Formulation	Size
V9096-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9096-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9096SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9096IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

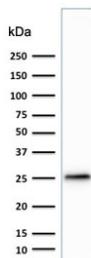
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM574
Purity	Protein G affinity chromatography
UniProt	P09936
Localization	Cytoplasmic. Endoplasmic Reticulum membrane
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This anti-PGP9.5 antibody is available for research use only.



Immunofluorescent staining of permeabilized human T98G cells with anti-PGP9.5 antibody cocktail (green, clone SPM574) and Nucspot (red).



IHC: Formalin-fixed, paraffin-embedded rat cerebellum stained with anti-PGP9.5 antibody (clone SPM574).



Western blot testing of human brain lysate with anti-PGP9.5 antibody (clone SPM574). Predicted molecular weight ~25 kDa.

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.

Application Notes

The optimal dilution of the anti-PGP9.5 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Native UchL1/PGP9.5 protein isolated from human brain was used as the immunogen for this anti-PGP9.5 antibody.

Storage

Store the anti-PGP9.5 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

