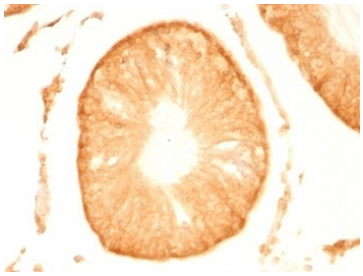
PGP 9.5 Antibody [clone UCHL1/775] (V2920)

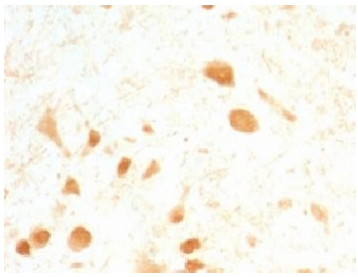
Catalog No.	Formulation	Size
V2920-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2920-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2920SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2920IHC-7ML	Prediluted 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

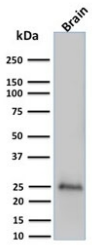
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	UCHL1/775
Purity	Protein G affinity chromatography
UniProt	P09936
Localization	Cytoplasmic, ER membrane
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This PGP 9.5 antibody is available for research use only.



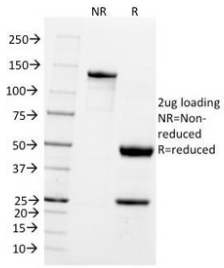
IHC: Formalin-fixed, paraffin-embedded rat testis stained with PGP 9.5 antibody (UCHL1/775).



IHC: Formalin-fixed, paraffin-embedded rat cerebellum stained with PGP 9.5 antibody (UCHL1/775).



Western blot testing of human brain lysate with PGP 9.5 antibody (clone UCHL1/775). Predicted molecular weight ~25 kDa.



SDS-PAGE analysis of purified, BSA-free PGP 9.5 antibody (clone UCHL1/775) as confirmation of integrity and purity.

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

Optimal dilution of the PGP 9.5 antibody 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 min.
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

Recombinant human protein was used as the immunogen for the PGP 9.5 antibody.

Storage

Store the PGP 9.5 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).