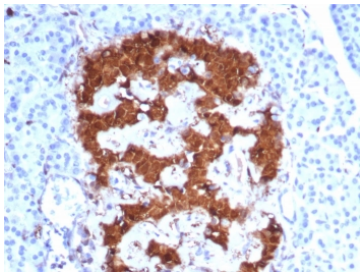
PGP9.5 Antibody / UchL1 [clone UCHL1/8152] (V5029)

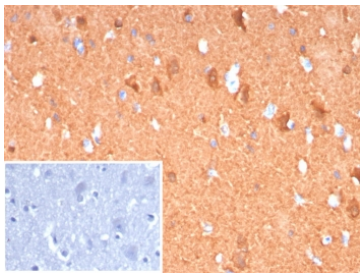
Catalog No.	Formulation	Size
V5029-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5029-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5029SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

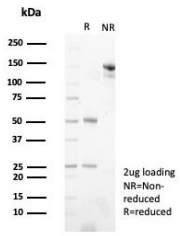
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	UCHL1/8152
Purity	Protein A/G affinity
UniProt	P09936
Localization	Cytoplasm, ER membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This PGP9.5 antibody is available for research use only.



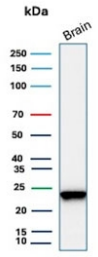
IHC staining of FFPE human pancreas tissue with PGP9.5 antibody (clone UCHL1/8152). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human cerebellum tissue with PGP9.5 antibody (clone UCHL1/8152). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free PGP9.5 antibody (clone UCHL1/8152) as confirmation of integrity and purity.



Western blot testing of human brain tissue lysate with PGP9.5 antibody. 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

Optimal dilution of the PGP9.5 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-223) from the human protein was used as the immunogen for the PGP9.5 antibody.

Storage

Aliquot the PGP9.5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.