

Product Datasheet

PGP9.5 / UchL1 Antibody (orb639550)

Catalog Number	orb639550
Category	Antibodies
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.
Clonality	Recombinant
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Immunogen	Recombinant human protein was used as the immunogen for the recombinant UchL1 antibody.
UniProt ID	P09936
Tested applications	FACS, IF, IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Flow cytometry: 1-2ug/million cells, Immunofluorescence: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1)
Application notes	Optimal dilution of the antibody should be determined by the researcher.

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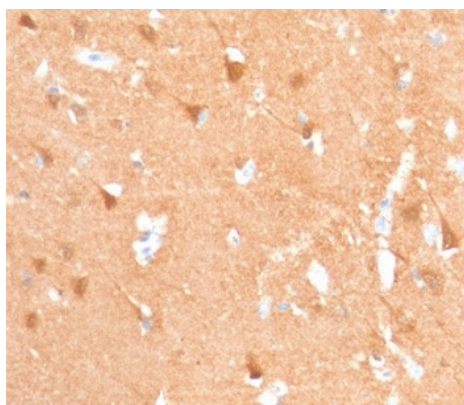
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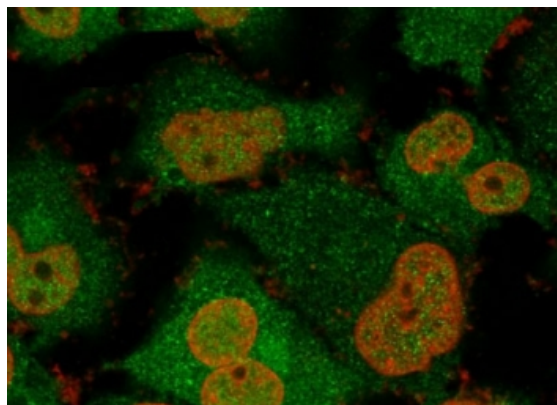
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Antibody Type	Primary Antibody
Clone Number	rUBCE-L1
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



IHC staining of FFPE human cerebellum with recombinant Uchl1 antibody (clone rUBCE-L1). Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



Immunofluorescent staining of permeabilized human T98G cells with recombinant Uchl1 antibody cocktail (green, clone rUBCE-L1) and Nucspot (red).

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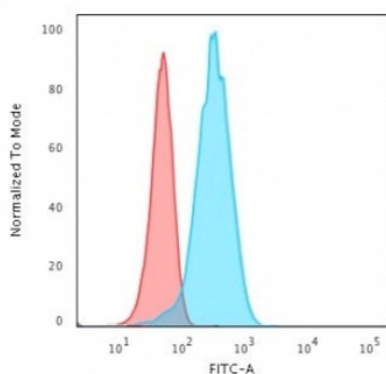
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Western blot testing of human brain lysate with recombinant UchL1 antibody (clone rUBCE-L1). Predicted molecular weight ~25 kDa.



Flow cytometry testing of permeabilized human T98G cells with recombinant UchL1 antibody (clone rUBCE-L1); Red=isotype control, Blue= recombinant PGP9.5 antibody.

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