

Product Datasheet

PGP9.5 / UchL1 Antibody (orb2637988)

Description	This antibody specifically reacts with a protein of 20-30kDa, identified as PGP9.5, also known as ubiquitin carboxyl-terminal hydrolase-1 (UchL1). Initially, 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. PGP9.5 antibody has been used to show the protein to be a useful prognostic indicator of colorectal, pancreatic and gall bladder cancer. A mutation in the gene is believed to cause a form of Parkinson's disease.
Species/Host	Mouse
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	FACS, IF, IHC-P, WB
Immunogen	Native protein from brain was used as the immunogen for this PGP9.5 antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (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
Application notes	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the PGP9.5 antibody to be titered up or down for optimal performance.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.

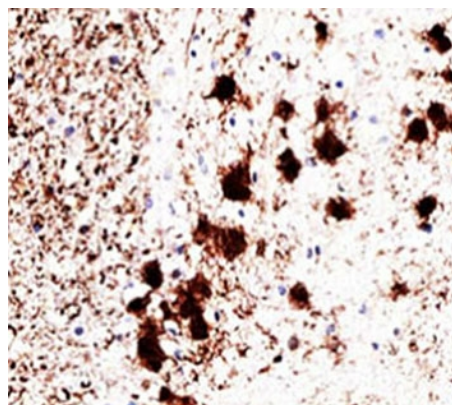
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Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Isotype	Mouse IgG1, kappa
Clonality	Monoclonal
Clone Number	31A3
Antibody Type	Primary Antibody
Purity	Protein G affinity chromatography
Hazard Information	This PGP9.5 antibody is available for research use only.
Entrez	7345
Dilution Range	Flow cytometry: 1-2ug/million cells, Immunofluorescence: 1-2ug/ml, Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Expiration Date	12 months from date of receipt.



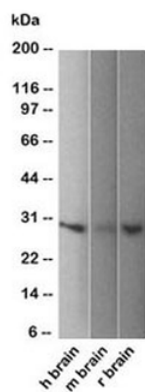
IHC staining of FFPE human brain with PGP9.5 antibody (clone 31A3).

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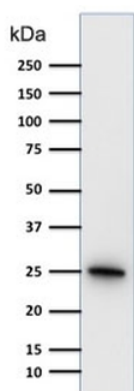
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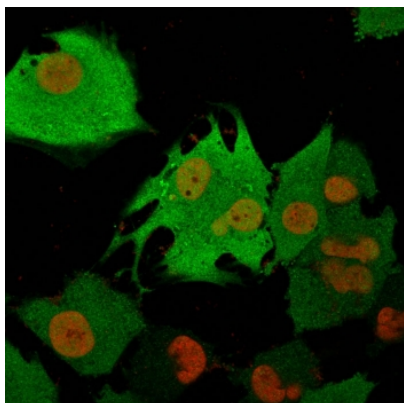
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Western blot of human, mouse and rat brain lysate using PGP9.5 antibody (31A3).



Western blot testing of human brain lysate with PGP9.5 antibody (clone 31A3). Predicted molecular weight ~25 kDa.



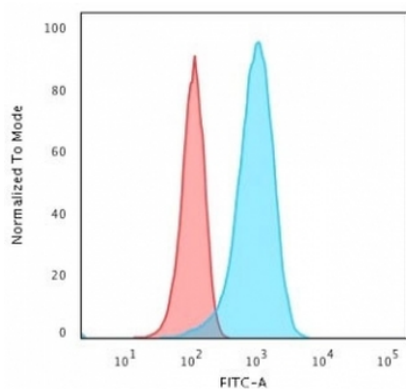
Immunofluorescent staining of permeabilized human T98G cells with PGP9.5 antibody cocktail (green, clone 31A3) and Nucspot (red).

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Flow cytometry testing of permeabilized human T98G cells with PGP9.5 antibody (clone 31A3); Red = isotype control, Blue = PGP9.5 antibody.

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