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Datasheet for ABIN6940856 Recombinant anti-UCHL1 antibody

Images



Overview

Quantity:	100 µg
Target:	UCHL1
Reactivity:	Human, Rat
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This UCHL1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry
	(FACS), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human UCHL1 protein
Clone:	RUCHL1-775
lsotype:	lgG1 kappa
Specificity:	This MAb reacts with a protein of 20-30 kDa, 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. Eurthermore, 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

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Product Details	
	Parkinson's disease.
Cross-Reactivity (Details):	Shows a broad species reactivity.
Purification:	Purified by Protein A/G
Target Details	
Target:	UCHL1
Alternative Name:	UCHL1 (UCHL1 Products)
Molecular Weight:	20-30kDa
Gene ID:	7345
UniProt:	P09936
Pathways:	Feeding Behaviour
Application Details	
Application Notes:	Positive Control: Cerebellum.
	Known Application: Western Blot (1-2 µg/mL), Flow Cytometry (1-2 µg/million cells),
	Immunofluorescence (1-2 μ g/mL), Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for
	30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM
	citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution
	for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0 05 % BSA & 0 05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody
	is stable for 24 months. Non-hazardous. No MSDS required.

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24 months

Validation report #028751 for Immunohistochemistry (IHC)



Western Blotting

Image 1. Western Blot Analysis of human brain tissue lysate using Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCHL1/775).



Protein Array

Image 2. Analysis of Protein Array containing >19,000 fulllength human proteins using Pgp9.5 Mouse Recombinant Monoclonal Antibody (rUCHL1/775) Z- and S- Score: The Zscore represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Zscore, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Flow Cytometry

Image 3. Flow Cytometric Analysis of T98G cells using Pgp9.5 Mouse Recombinant MAb (rUCHL1/775) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

Please check the product details page for more images. Overall 7 images are available for ABIN6940856.