

Product datasheet

Anti-PGP9.5 antibody [10A1], prediluted ab75447

1 References 1 Image

Overview

Product name	Anti-PGP9.5 antibody [10A1], prediluted
Description	Mouse monoclonal [10A1] to PGP9.5, prediluted
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length PGP9.5 protein (Human)
Positive control	human Small intestine

Properties

Form	Prediluted
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 0.5M Tris HCl, Stabilizing protein, pH 7.6
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	10A1
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab75447** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		

Application notes	IHC-P: Ready to use. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.
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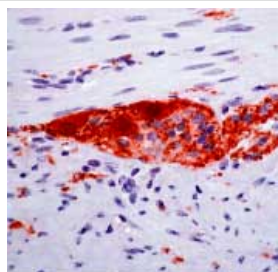
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function	Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity.
Tissue specificity	Found in neuronal cell bodies and processes throughout the neocortex (at protein level). Expressed in neurons and cells of the diffuse neuroendocrine system and their tumors. Weakly expressed in ovary. Down-regulated in brains from Parkinson disease and Alzheimer disease patients.
Involvement in disease	Parkinson disease 5 Neurodegeneration with optic atrophy, childhood-onset
Sequence similarities	Belongs to the peptidase C12 family.
Post-translational modifications	O-glycosylated.
Cellular localization	Cytoplasm. Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain.

Images



Formalin-fixed, paraffin-embedded human small intestine stained with ready to use ab75447, using peroxidase-conjugate and AEC. Note staining of nerve cells.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PGP9.5 antibody [10A1], prediluted (ab75447)

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