

Product datasheet

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

1 References 1 Image

Overview

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

Properties

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

<b>Application notes</b>	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

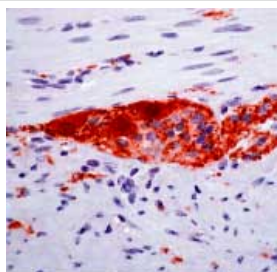
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<b>Function</b>	Ubiquitin-protein hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. This enzyme is a thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of ubiquitin. Also binds to free monoubiquitin and may prevent its degradation in lysosomes. The homodimer may have ATP-independent ubiquitin ligase activity.
<b>Tissue specificity</b>	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.
<b>Involvement in disease</b>	Parkinson disease 5 Neurodegeneration with optic atrophy, childhood-onset
<b>Sequence similarities</b>	Belongs to the peptidase C12 family.
<b>Post-translational modifications</b>	O-glycosylated.
<b>Cellular localization</b>	Cytoplasm. Endoplasmic reticulum membrane. About 30% of total UCHL1 is associated with membranes in brain.

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## Images

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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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