

Product datasheet

Anti-PGP9.5 antibody ab72910

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Overview

Product name	Anti-PGP9.5 antibody
Description	Chicken polyclonal to PGP9.5
Host species	Chicken
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Rat
Immunogen	Recombinant full length human PGP9.5 purified from E. coli.
Positive control	Rat hippocampal homogenate and Rat mixed neuron/glia cultures.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.065% Sodium azide
Purity	IgY fraction
Clonality	Polyclonal
Isotype	IgY

Applications

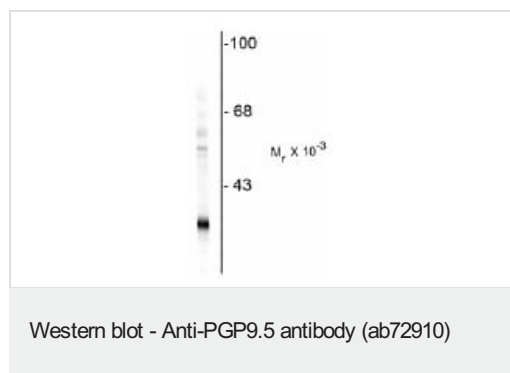
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab72910 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2500. Detects a band of approximately 25 kDa (predicted molecular weight: 25 kDa).
ICC/IF	★ ★ ★ ★ ★ (1)	1/500.

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.

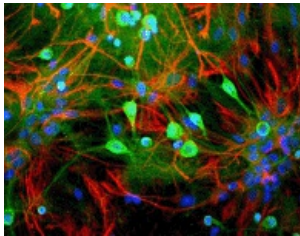
Images



Anti-PGP9.5 antibody (ab72910) at 1/2500 dilution + rat hippocampal homogenate

Predicted band size: 25 kDa

Observed band size: 25 kDa



ab72910 at 1/500 dilution staining PGP9.5 in rat mixed neuron/glia cultures by Immunofluorescence (green). Rabbit anti-GFAP antibody (red). Blue is a DNA stain.

Immunocytochemistry/ Immunofluorescence - Anti-PGP9.5 antibody (ab72910)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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