Anti-PGP9.5 antibody - Neuronal Marker ab10410

Overview

Product name: Anti-PGP9.5 antibody - Neuronal Marker
Description: Guinea pig polyclonal to PGP9.5 - Neuronal Marker
Host species: Guinea pig
Tested applications: Suitable for: IHC-FoFr
Species reactivity: Reacts with: Mouse, Rat, Human
Predicted to work with: Macaque monkey
Immunogen: Synthetic peptide:
GASSEDTLLKDAAKVCL
, corresponding to amino acids 175-191 of soluble cytoplasmic protein PGP9.5, human.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer: Preservative: 0.02% Sodium azide
Constituent: Whole serum
Purity: Whole antiserum
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab10410 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<td>IHC-FoFr</td>
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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

ab10410, at a dilution of 1/500, staining PGP9.5 in rat submucous plexus by Immunohistochemistry (PFA perfusion fixed frozen sections).

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

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