


Product datasheet

Anti-PGP9.5 antibody - Neuronal Marker ab11145

1 References

Overview

Product name	Anti-PGP9.5 antibody - Neuronal Marker
Description	Goat polyclonal to PGP9.5 - Neuronal Marker
Host species	Goat
Specificity	Ab11145 recognises human protein gene product 9.5 (PGP9.5).
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse, Horse, Guinea pig, Cow, Pig 
Immunogen	Synthetic peptide: NFRKKQIEELKGQEVSPK , corresponding to amino acids 46 - 63 of Human PGP9.5. Run BLAST with Run BLAST with
Positive control	Cytoplasm of neurons. Soluble brain protein extract.
General notes	This product should be stored undiluted. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab11145** 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		Use at an assay dependent dilution. Detects a band of approximately 27 kDa (predicted molecular weight: 26.8 kDa).

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.

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