


Product datasheet

Anti-Lingo1 antibody ab219110

1 Image

Overview

Product name	Anti-Lingo1 antibody
Description	Rabbit polyclonal to Lingo1
Host species	Rabbit
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Cow, Dog, Pig, Monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide within Human Lingo1 (internal sequence). The exact sequence is proprietary. (17 amino acid peptides). Database link: Q96FE5
Positive control	Human brain, cortex tissue.
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.09% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab219110 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		Use a concentration of 20 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function

Functional component of the Nogo receptor signaling complex (RTN4R/NGFR) in RhoA activation responsible for some inhibition of axonal regeneration by myelin-associated factors. Is also an important negative regulator of oligodendrocyte differentiation and axonal myelination. Acts in conjunction with RTN4 and RTN4R in regulating neuronal precursor cell motility during cortical development.

Tissue specificity

Expressed exclusively in the central nervous system. Highest level in the in amygdala, hippocampus, thalamus and cerebral cortex. In the rest of the brain a basal expression seems to be always present. Up-regulated in substantia nigra neurons from Parkinson disease patients.

Sequence similarities

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Contains 11 LRR (leucine-rich) repeats.
Contains 1 LRRCT domain.
Contains 1 LRRNT domain.

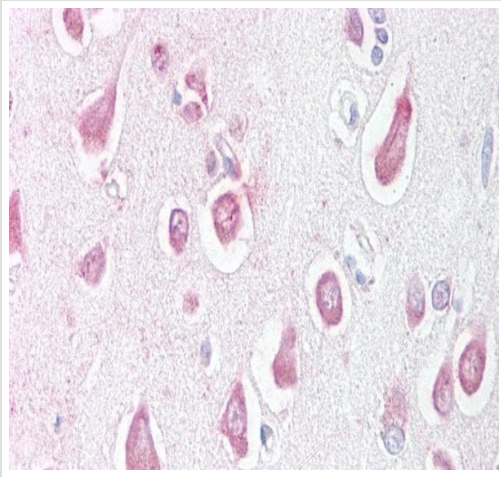
Post-translational modifications

N-glycosylated. Contains predominantly high-mannose glycans.

Cellular localization

Cell membrane.

Images



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain, cortex tissue labeling Lingo1 with ab219110 at 20µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Lingo1 antibody (ab219110)

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

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