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CHL1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8662c

Specification

CHL1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O00533

CHL1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 10752

Other Names
Neural cell adhesion molecule L1-like protein, Close homolog of L1, Processed neural cell adhesion molecule L1-like protein, CHL1, CALL

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8662c was selected from the Center region of human CHL1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CHL1 Antibody (Center) Blocking Peptide - Protein Information

Name CHL1

Synonyms CALL

Function
Extracellular matrix and cell adhesion protein that plays a role in nervous system development and in synaptic plasticity. Both soluble and membranous forms promote neurite outgrowth of cerebellar and hippocampal neurons and suppress neuronal cell death. Plays a role in neuronal positioning of pyramidal neurons and in regulation of both the number of interneurons and the efficacy of GABAergic synapses. May play a role in regulating cell migration in nerve regeneration and cortical development. Potentiates integrin-dependent cell migration towards extracellular matrix proteins. Recruits ANK3 to the plasma membrane (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Note=Soluble forms produced by cleavage/shedding also exist.

Tissue Location
Expressed in the fetal and adult brain as well as in Schwann cell culture. Also detected in adult peripheral tissues

CHL1 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

CHL1 Antibody (Center) Blocking Peptide - Images

CHL1 Antibody (Center) Blocking Peptide - Background

CHL1 is a member of the L1 gene family of neural cell adhesion molecules. It is a neural recognition molecule that may be involved in signal transduction pathways.

CHL1 Antibody (Center) Blocking Peptide - References

Sakurai,K., et.al., Mol. Psychiatry 7 (4), 412-415 (2002)Angeloni,D., et.al., Am. J. Med. Genet. 86 (5), 482-485 (1999)