CHL1 (N-18): sc-34989



The Power to Question

BACKGROUND

Neural cell adhesion molecules play an important role in neural cell interactions and neuronal development and growth. Close homolog of L1 (CHL1), also designated cell adhesion molecule with homology to L1CAM or L1 cell adhesion molecule 2, belongs to the L1 gene family of neural cell adhesion molecules. CHL1 plays a role in signal transduction pathways and is involved in cell migration, axon growth and guidance. It is required for neuronal positioning and dendritic growth of pyramidal neurons in the posterior region of the developing mouse neocortex. CHL1 is expressed in pyramidal neurons in a high-caudal to low-rostral gradient within the developing cortex.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: CHL1 (human) mapping to 3p26.3; Chl1 (mouse) mapping to 6 E1.

SOURCE

CHL1 (N-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of CHL1 of human origin.

PRODUCT

Each vial contains 200 μg lgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-34989 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CHL1 (N-18) is recommended for detection of CHL1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

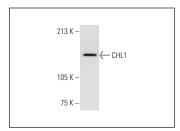
CHL1 (N-18) is also recommended for detection of CHL1 in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for CHL1 siRNA (h): sc-45787, CHL1 siRNA (m): sc-45788, CHL1 shRNA Plasmid (h): sc-45787-SH, CHL1 shRNA Plasmid (m): sc-45788-SH, CHL1 shRNA (h) Lentiviral Particles: sc-45787-V and CHL1 shRNA (m) Lentiviral Particles: sc-45788-V.

Molecular Weight of CHL1: 135 kDa.

Positive Controls: HeLa nuclear extract: sc-2120, NIH/3T3 nuclear extract: sc-2138 or SK-N-SH cell lysate: sc-2410.

DATA



CHL1 (N-18): sc-34989. Western blot analysis of CHL1 expression in SK-N-SH whole cell lysate.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



Try **CHL1 (2H5):** sc-293293, our highly recommended monoclonal alternative to CHL1 (N-18).

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