

BRAL1 Antibody

BRAL1: Brain link protein-1, hyaluronan and proteoglycan link protein 2, HAPLN2

CATALOG NO.: 4501

BACKGROUND:

BRAL1 is a member a superfamily consisting of several highly homologous hyaluronan and proteoglycan binding link proteins (1 for review). BRAL1 is predominantly expressed in brain tissue and spinal cord (2). Like other members in the link-module superfamily, BRAL1 contains an immunoglobulin-like fold and two proteoglycan tandem repeats (PTRs). Its mRNA expression pattern is similar to other lectican proteoglycans, suggesting that BRAL1 may act to stabilize the binding between the extracellular matrix molecule hyaluronan and brevican. Immunostaining of mouse brain showed BRAL1 expression at P20 in the white matter of the developing cerebellum and in myelinated fiber tracts in the adult brain, suggesting that expression starts when axonal myelination occurs (3).

SOURCE:

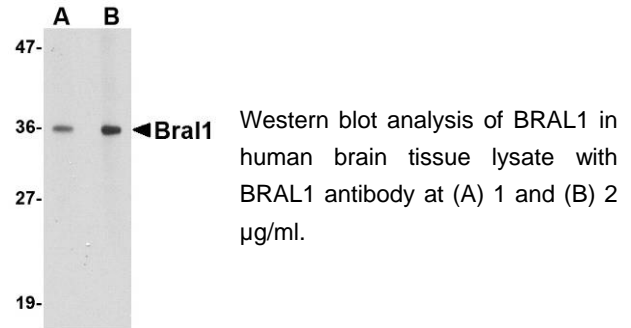
Rabbit polyclonal BRAL1 antibody was raised against a 12 amino acid peptide from near the center of human BRAL1 (Genbank accession No. NP_068589).

APPLICATION:

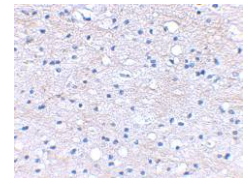
BRAL1 antibody can be used for the detection of BRAL1 by Western blot at 1 – 2 µg/ml. (Optimal dilution should be determined by user). Human brain tissue lysate can be used as positive control. BRAL1 antibody is human, mouse and rat reactive. **This product is for research use only.**

STORAGE:

BRAL1 antibody is supplied as immunoaffinity purified IgG in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Immunohistochemical staining of human brain tissue using BRAL1 antibody at 2.5 µg/ml.



RELATED PRODUCTS:

Blocking peptide, Catalog No. **4501P**.

Human Brain Tissue Lysate, Catalog No. **1303**.

REFERENCES:

1. Spicer AP, Joo A, and Bowling Jr. RA. A hyaluronan binding link protein gene family whose members are physically linked adjacent to chondroitin sulfate proteoglycan core protein genes. *J. Biol. Chem.* 2003; 278:21083-91.
2. Hirakawa S, Oohashi T, Su W-D, et al. The brain link protein-1 (BRAL1): cDNA cloning, genomic structure, and characterization as a novel link protein expressed in adult brain. *Biochem. Biophys. Res. Comm.* 2000; 276:982-9.
3. Oohashi T, Hirakawa S, Bekku Y, et al. Bral1, a brain-specific link protein, colocalizing with the versican V2 isoform at the nodes of Ranvier in developing and adult mouse central nervous systems. *Mol. Cell Neurosci.* 2002; 19:43-57. (08-01D)