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Datasheet for 600-401-Z88

BRAL1 Antibody

Overview

Description:	Anti-BRAL1 (RABBIT) Antibody - 600-401-Z88
Item No.:	600-401-Z88
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	BRAL1 is a member a superfamily consisting of several highly homologous hyaluronan and proteoglycan binding link proteins. BRAL1 is predominantly expressed in brain tissue and spinal cord. 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.
Synonyms:	BRAL1 Antibody, BRAL1, Hyaluronan and proteoglycan link protein 2, Brain link protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	HAPLN2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-BRAL1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 12 amino acid synthetic peptide from near the internal region of human BRAL1.
Purity/Specificity:	Anti-BRAL1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with BRAL1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9GZV7 • GeneID - 60484 • NCBI - NP_068589

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-BRAL1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 35 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	1 - 2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

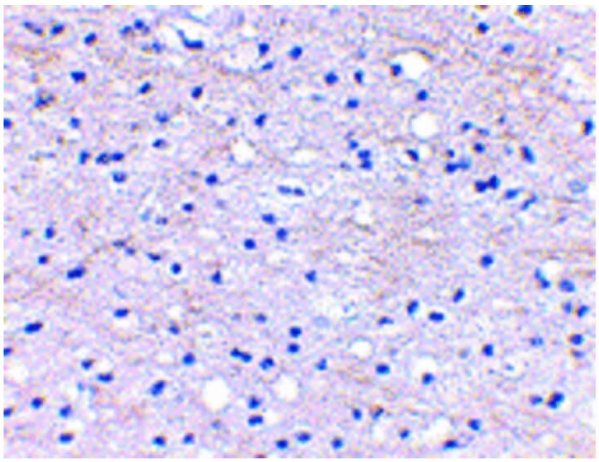
Shipping & Handling

Shipping Condition:	Wet Ice

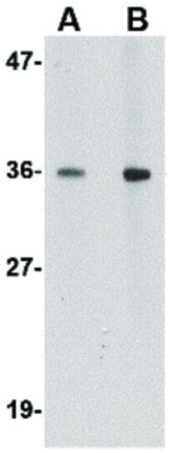
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

Immunofluorescence Microscopy
Immunofluorescence Microscopy of BRAL1 antibody. Tissue: Human brain cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: BRAL1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: BRAL1 as a red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of BRAL1 antibody. Tissue: Human brain tissue Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: BRAL1 antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: BRAL1 is nuclear and occasionally cytoplasmic. Staining: BRAL1 as a precipitated red signal with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of BRAL1 antibody. Lane A: Human brain tissue lysate at 1 µg/mL. Lane B: Human brain tissue lysate at 2 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.
Predicted/Observed size: 37.7 kDa, ~36 kDa for BRAL1.

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