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Datasheet for 600-401-Z30

BAP3 Antibody

Overview

Description:	Anti-BAP3 (RABBIT) Antibody - 600-401-Z30
Item No.:	600-401-Z30
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
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:	BAP3 Antibody, BAP3, KIAA0734, BAI1-associated protein 3, BAP3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	BAIAP3
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-BAP3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 12 amino acid synthetic peptide from near the N-terminus of human BAP3.
Purity/Specificity:	Anti-BAP3 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with BAP3 from other sources has not been determined.
Relevant Links:	• UniProtKB - O94812 • GeneID - 8938 • NCBI - BAA34710

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-BAP3 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 132 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:	1:20,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	2 µg/mL

Formulation

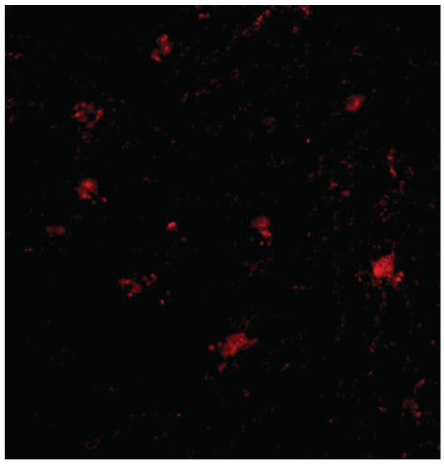
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

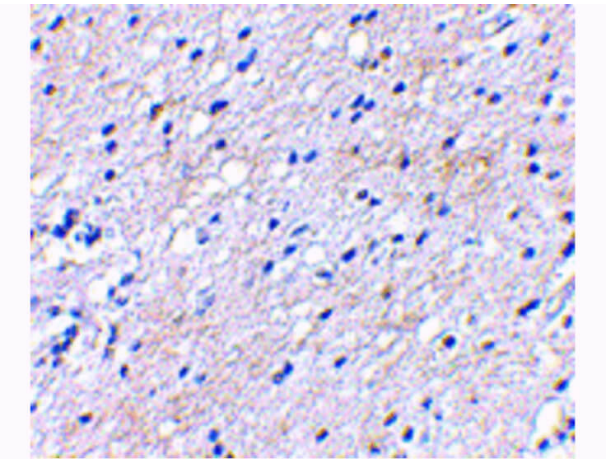
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

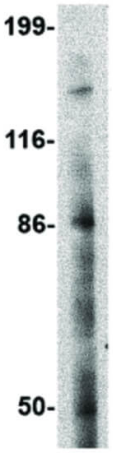
Images



Immunofluorescence Microscopy
Immunofluorescence Microscopy of BAP3 antibody. Tissue: Human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: BAP3 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: BAP3 as a red fluorescent signal.



Immunohistochemistry
Immunohistochemistry of BAP3 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody:BAP3 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: BAP3 is nuclear and occasionally cytoplasmic. Staining: BAP3 as precipitated red signal with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of BAP3 antibody. Lane A: SK-N-SH cell lysate. Load: 35 µg per lane. Primary Antibody: Anti-BAP3 at 2 µg/mL. 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: 131.9 kDa, ~140 kDa for BAP3.

Disclaimer

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