



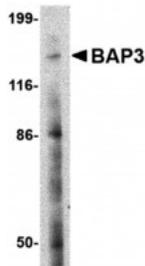
ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

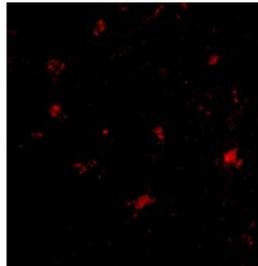
techsupport@prosci-inc.com
prosci-inc.com

BAP3 Antibody

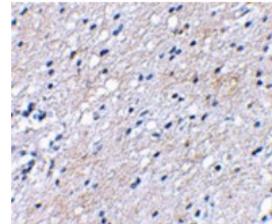
CATALOG NUMBER: 4503



Western blot analysis of BAP3 in SK-N-SH cell lysate with BAP3 antibody at 2 ug/mL.



Immunofluorescence of BAP3 in human brain tissue with BAP3 antibody at 20 ug/mL.



Immunohistochemical staining of human brain tissue using BAP3 antibody at 2.5 ug/mL.

Specifications

SPECIES REACTIVITY: Human

TESTED APPLICATIONS: ELISA, IF, IHC-P, WB

APPLICATIONS: BAP3 antibody can be used for the detection of BAP3 by Western blot at 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

USER NOTE: Optimal dilutions for each application to be determined by the researcher.

POSITIVE CONTROL: 1) Cat. No. 1220 - SK-N-SH Cell Lysate
2) Cat. No. 10-301 - Human Brain Tissue Slide

IMMUNOGEN: BAP3 antibody was raised against a 12 amino acid synthetic peptide from near the amino terminus of human BAP3.

The immunogen is located within the first 50 amino acids of BAP3.

HOST SPECIES: Rabbit

Properties

PURIFICATION: BAP3 Antibody is affinity chromatography purified via peptide column.

PHYSICAL STATE: Liquid

BUFFER: BAP3 Antibody is supplied in PBS containing 0.02% sodium azide.

CONCENTRATION: 1 mg/mL

STORAGE CONDITIONS: BAP3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

CLONALITY: Polyclonal

ISOTYPE: IgG

CONJUGATE: Unconjugated

CONJUGATE: Unconjugated

Additional Info

ALTERNATE NAMES: BAP3 Antibody: BAP3, KIAA0734, BAI1-associated protein 3, BAP3

ACCESSION NO.: BAA34710

PROTEIN GI NO.: 3929917

OFFICIAL SYMBOL: BAIAP3

GENE ID: 8938

Background

BACKGROUND: BAP3 Antibody: 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.

REFERENCES: 1) Shiratsuchi T, Oda K, Nishimori H, et al. Cloning and characterization of BAP (BAI-associated protein 3), a C2 domain-containing protein that interacts with BAI1. *Biochem. Biophys. Res. Comm.* 1998; 251:158-65.

2) Palmer RE, Lee SB, Wong JC, et al. Induction of BAIAP3 by the EWS-WT1 chimeric fusion implicates regulated exocytosis in tumorigenesis. *Cancer Cell* 2002; 2:497-505.

FOR RESEARCH USE ONLY

January 11, 2019