



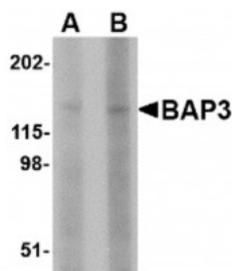
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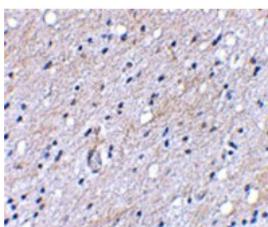
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BAP3 Antibody

CATALOG NUMBER: 4505



Western blot analysis of BAP3 in SK-N-SH cell lysate with BAP3 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemical staining of human brain tissue using BAP3 antibody at 5 ug/mL.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC-P, WB
APPLICATIONS:	BAP3 antibody can be used for the detection of BAP3 by Western blot at 1 and 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL.
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
SPECIFICITY:	BAP3 is known to have two isoforms; this BAP3 antibody will recognize only isoform 2. Lower molecular weight bands may represent cleavage or degradation products.
IMMUNOGEN:	BAP3 antibody was raised against a 13 amino acid synthetic peptide from near the amino terminus of human BAP3. The immunogen is located within amino acids 60 - 110 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

Additional Info

ALTERNATE NAMES: BAP3 Antibody: BAP3, KIAA0734, BAI1-associated protein 3, BAP3
ACCESSION NO.: NP_001273393
PROTEIN GI NO.: 3929917
OFFICIAL SYMBOL: BAIAP3
GENE ID: 8938

Background

BACKGROUND: BAP3 Antibody: BAP3 was initially identified through interaction in a yeast two-hybrid system with the brain-specific angiogenesis inhibitor 1, a p53-target gene that encodes a seven-span transmembrane protein member of the secretin receptor family. BAP3 is predominantly expressed in the brain and possess high homology with Munc13 and synaptotagmin, suggesting that BAP3 may play a role in regulating neurotransmitter release. Recent experiments have shown that BAP3 is induced in certain tumors such as desmoplastic small round cell tumor. Ectopic expression of BAP3 in tumor cells dramatically enhances growth in low serum conditions and colony formation in soft agar, suggesting that the regulated exocytotic pathway may play a role in cancer cell proliferation.

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.

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