

**ANKS1B Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13437c****Specification**

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**ANKS1B Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q7Z6G8</a>
Other Accession	<a href="#">NP_064525.1</a> , <a href="#">NP_690001.3</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	570-599

**ANKS1B Antibody (Center) - Additional Information****Gene ID** 56899**Other Names**

Ankyrin repeat and sterile alpha motif domain-containing protein 1B, Amyloid-beta protein intracellular domain-associated protein 1, AIDA-1, E2A-PBX1-associated protein, EB-1, ANKS1B

**Target/Specificity**

This ANKS1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 570-599 amino acids from the Central region of human ANKS1B.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ANKS1B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**ANKS1B Antibody (Center) - Protein Information****Name** ANKS1B**Function** Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions

in neuronal and transformed cells. Isoform 4 may play a role as a modulator of APP processing. Overexpression can down-regulate APP processing.

#### Cellular Location

Cytoplasm [Isoform 3]: Postsynaptic density. Cell projection, dendritic spine. Nucleus. Nucleus, Cajal body. Note=The synaptic localization requires DLG4 interaction. Translocation to the nucleus in response to stimulation of NMDA receptors (NMDARs) in a calcium-independent manner (By similarity). [Isoform 6]: Nucleus.

#### Tissue Location

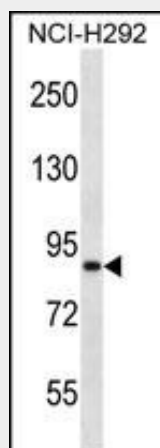
Highly expressed in marrow from patients with pre-B ALL associated with the t(1;19) translocation. Strongly expressed in brain and testis. Expressed in fetal brain. Isoform 4 is highly expressed in brain (at protein level). Isoform 6 is expressed in brain and several cancer cell lines.

### ANKS1B Antibody (Center) - Protocols

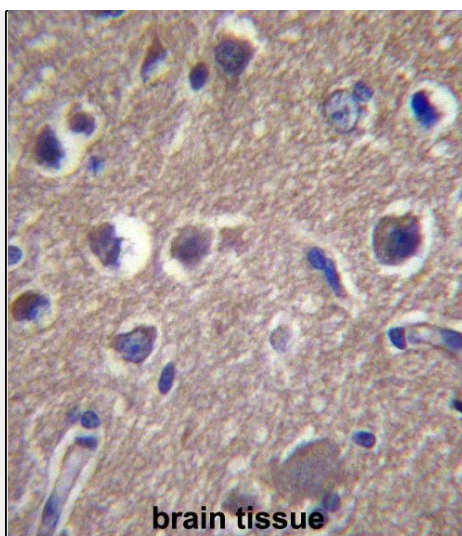
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ANKS1B Antibody (Center) - Images



ANKS1B Antibody (Center) (Cat. #AP13437c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the ANKS1B antibody detected the ANKS1B protein (arrow).



ANKS1B Antibody (Center) (Cat. #AP13437c) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ANKS1B Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **ANKS1B Antibody (Center) - Background**

Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.

Isoform 3 can regulate global protein synthesis by altering nucleolar numbers (By similarity).

Isoform 4 may play a role as a modulator of APP processing. Overexpression can down-regulate APP processing.

#### **ANKS1B Antibody (Center) - References**

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :

Pei, D., et al. Genet Test Mol Biomarkers 14(3):433-438(2010)

Wang, M., et al. Stat Biopharm Res 1(4):424-430(2009)

Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)