

SPTBN1 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21995b

Product Information

Application	WB, E
Primary Accession	Q01082
Other Accession	Q62261
Reactivity	Human, Rat, Mouse
Predicted	Human, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54579
Calculated MW	274609

Additional Information

Gene ID	6711
Other Names	Spectrin beta chain, non-erythrocytic 1, Beta-II spectrin, Fodrin beta chain, Spectrin, non-erythroid beta chain 1, SPTBN1, SPTB2
Target/Specificity	This SPTBN1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 2063-2097 amino acids from mouse SPTBN1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	SPTBN1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPTBN1
Synonyms	SPTB2
Function	Fodrin, which seems to be involved in secretion, interacts with calmodulin

in a calcium-dependent manner and is thus candidate for the calcium-dependent movement of the cytoskeleton at the membrane. Plays a critical role in central nervous system development and function.

Cellular Location

Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:Q62261}. Cytoplasm, myofibril, sarcomere, M line {ECO:0000250|UniProtKB:Q62261}. Cytoplasm, cytosol. Cell membrane. Note=Colocalizes with ANK2 in a distinct intracellular compartment of neonatal cardiomyocytes {ECO:0000250|UniProtKB:Q62261}

Tissue Location

Isoform 2 is present in brain, lung and kidney (at protein level).

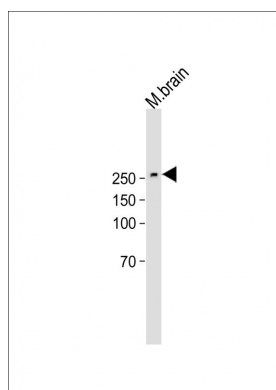
Background

Fodrin, which seems to be involved in secretion, interacts with calmodulin in a calcium-dependent manner and is thus candidate for the calcium-dependent movement of the cytoskeleton at the membrane.

References

Hu R.J.,et al.J. Biol. Chem. 267:18715-18722(1992).
Chen Y.,et al.J. Mol. Neurosci. 17:59-70(2001).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



All lanes : Anti-SPTBN1 Antibody (C-Term) at 1:2000 dilution
Lane 1 : Mouse brain lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution.
Observed band size : 270kDa
Blocking/Dilution buffer : 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.