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SPTAN1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21186c

Product Information

Application	WB, E
Primary Accession	Q13813
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB50708
Calculated MW	284539

Additional Information

Gene ID	6709
Other Names	Spectrin alpha chain, non-erythrocytic 1, Alpha-II spectrin, Fodrin alpha chain, Spectrin, non-erythroid alpha subunit, SPTAN1, NEAS, SPTA2
Target/Specificity	This SPTAN1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 977-991 amino acids from the Central region of human SPTAN1.
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 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	SPTAN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPTAN1
Synonyms	NEAS, SPTA2
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.
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Note=Expressed along the cell membrane in podocytes and presumptive tubule cells during glomerulogenesis and is expressed along lateral cell margins in tubule cells.

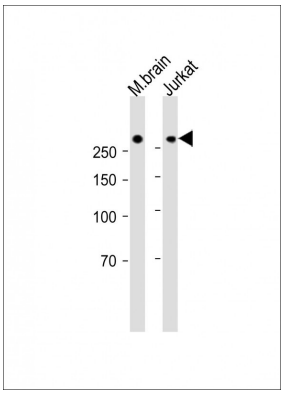
Background

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

Moon R.T.,et al.J. Biol. Chem. 265:4427-4433(1990).
Cianci C.D.,et al.Biochemistry 38:15721-15730(1999).
Kato S.,et al.Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Humphray S.J.,et al.Nature 429:369-374(2004).

Images



All lanes: Anti-SPTAN1 Antibody (Center) at 1:2000 dilution Lane 1: Mouse brain lysate Lane 2: Jurkat whole cell 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: 284 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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