

**SPTAN1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21186c**

**Specification**

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**SPTAN1 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q13813</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	284539

**SPTAN1 Antibody (Center) - 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

**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**

SPTAN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**SPTAN1 Antibody (Center) - 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

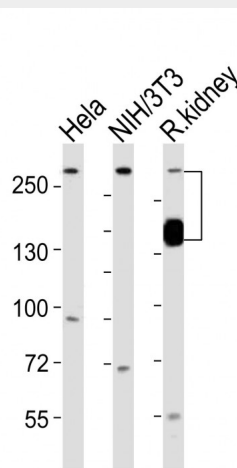
Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Note=Expressed along the cell membrane in podocytes and presumptive tubule cells during glomerulogenesis and is expressed along lateral cell margins in tubule cells.

#### SPTAN1 Antibody (Center) - Protocols

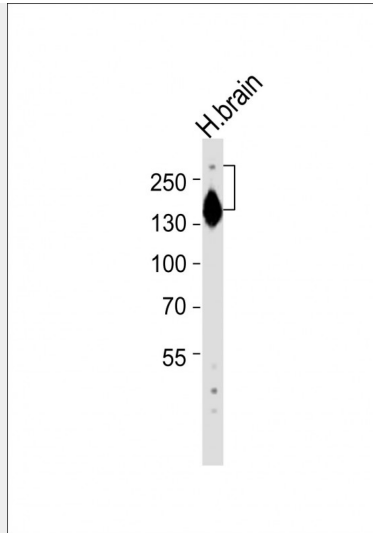
Provided below are standard protocols that you may find useful for product applications.

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

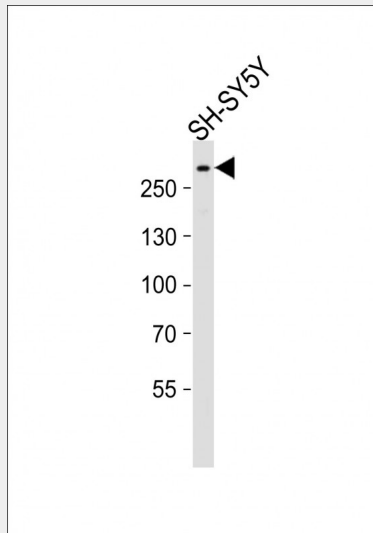
#### SPTAN1 Antibody (Center) - Images



All lanes : Anti-SPTAN1 Antibody (Center) at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: NIH/3T3 whole cell lysates Lane 3: rat kidney lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 285 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Anti-SPTAN1 Antibody (Center) at 1:2000 dilution + human brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 285 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



Anti-SPTAN1 Antibody (Center) at 1:2000 dilution + SH-SY5Y whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 285 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

### **SPTAN1 Antibody (Center) - 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.

### **SPTAN1 Antibody (Center) - 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).