

**SPTAN1 / Alpha Fodrin Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS16112****Specification**

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**SPTAN1 / Alpha Fodrin Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | ICC, IHC               |
| Primary Accession | <a href="#">Q13813</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 285kDa KDa             |

**SPTAN1 / Alpha Fodrin Antibody - 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**

Human SPTAN1 / Alpha Fodrin

**Reconstitution & Storage**

+4°C or -20°C, Avoid repeated freezing and thawing.

**Precautions**

SPTAN1 / Alpha Fodrin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**SPTAN1 / Alpha Fodrin Antibody - 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.

**Volume**

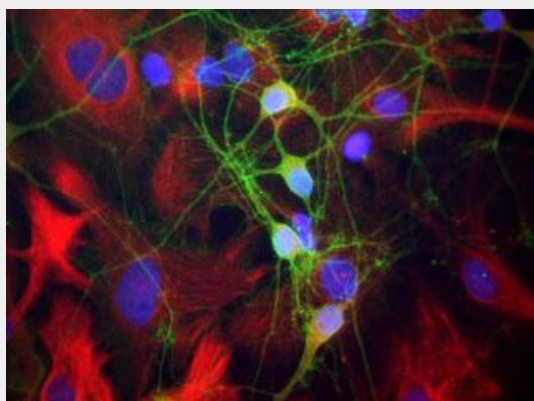
50 µl

### SPTAN1 / Alpha Fodrin Antibody - Protocols

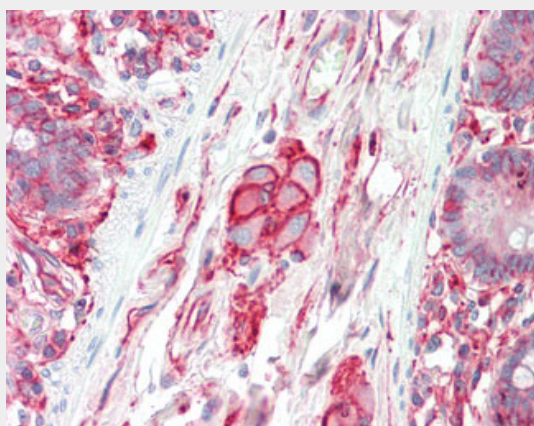
Provided below are standard protocols that you may find useful for product applications.

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

### SPTAN1 / Alpha Fodrin Antibody - Images



Mixed neuron-glia cultures stained with rabbit antibody to alpha-II spectrin (green) and mouse...



Anti-SPTAN1 / Alpha Fodrin antibody IHC staining of human small intestine, submucosal plexus.

### SPTAN1 / Alpha Fodrin Antibody - 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 / Alpha Fodrin Antibody - 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).