

**FRMPD4 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13541****Specification**

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**FRMPD4 Antibody (Internal) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IF, WB                 |
| Primary Accession | <a href="#">Q14CM0</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 144kDa KDa             |

**FRMPD4 Antibody (Internal) - Additional Information****Gene ID** 9758**Other Names**

FERM and PDZ domain-containing protein 4, PDZ domain-containing protein 10, PSD-95-interacting regulator of spine morphogenesis, Preso, FRMPD4, KIAA0316, PDZD10, PDZK10

**Target/Specificity**

Human FRMPD4

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

FRMPD4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**FRMPD4 Antibody (Internal) - Protein Information****Name** FRMPD4**Synonyms** KIAA0316, PDZD10, PDZK10**Function**

Positive regulator of dendritic spine morphogenesis and density. Required for the maintenance of excitatory synaptic transmission. Binds phosphatidylinositol 4,5-bisphosphate.

**Cellular Location**

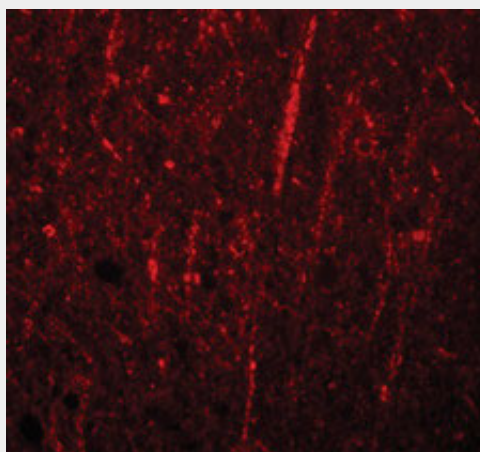
Cell projection, dendritic spine

**FRMPD4 Antibody (Internal) - Protocols**

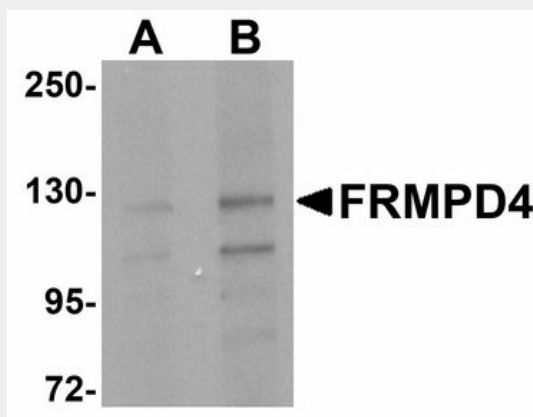
Provided below are standard protocols that you may find useful for product applications.

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

#### **FRMPD4 Antibody (Internal) - Images**



Immunofluorescence of FRMPD4 in human brain tissue with FRMPD4 antibody at 20 ug/ml.



Western blot of FRMPD4 in SK-N-SH cell lysate with FRMPD4 antibody at (A) 1 and (B) 2 ug/ml.

#### **FRMPD4 Antibody (Internal) - Background**

Positive regulator of dendritic spine morphogenesis and density. Required for the maintenance of excitatory synaptic transmission. Binds phosphatidylinositol 4,5-bisphosphate.

#### **FRMPD4 Antibody (Internal) - References**

- Nagase T.,et al.DNA Res. 4:141-150(1997).  
Ohara O.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Lee H.W.,et al.J. Neurosci. 28:14546-14556(2008).

Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).