



## Rabbit Anti-FRMPD2 antibody

SL9038R

<b>Product Name:</b>	FRMPD2
<b>Chinese Name:</b>	FRMPD2抗体
<b>Alias:</b>	FERM and PDZ domain containing protein 2; PDZ domain containing protein 4; PDZ domain containing protein 5C; PDZ domain containing 4 PDZD5C; PDZK4; PDZK5C;FRPD2_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	144kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human PDZK4:1001-1100/1309
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a peripheral membrane protein and is located in a region of chromosome 10q that contains a segmental duplication. This copy of the gene is full-length and is in the telomeric duplicated region. Two other more centromerically proximal copies of the gene are partial and may represent pseudogenes. This full-length gene appears to function in the establishment and maintenance of cell polarization. The

protein is recruited to cell-cell junctions in an E-cadherin-dependent manner, and is selectively localized at the basolateral membrane in polarized epithelial cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2009]

**Function:**

May play a role in the regulation of tight junction formation. Binds phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P2).

**Subunit:**

Interacts (via the PDZ 2 domain) with CTNND2 (via the extreme C-terminus). Interacts (via the PDZ 2 domain) with PKP4 (via the extreme C-terminus); this interaction directed FRMPD2 to the basolateral membranes. Interacts (via the PDZ 2 domain) with ARVCF (via the extreme C-terminus).

**Subcellular Location:**

Cytoplasm (Potential). Basolateral cell membrane. Cell junction, tight junction. Note=Colocalizes with CTNNB1, CDH1 and PKP4 at the basolateral membrane. Colocalizes with TJP1 at tight junctions. Its recruitment to cell-cell contacts requires CDH1.

**Tissue Specificity:**

Expressed in epithelial cells.

**Similarity:**

Contains 1 FERM domain.  
Contains 1 KIND domain.  
Contains 3 PDZ (DHR) domains.

**SWISS:**

Q68DX3

**Gene ID:**

143162

**Database links:**

[Entrez Gene: 143162](#) Human

[SwissProt: Q68DX3](#) Human

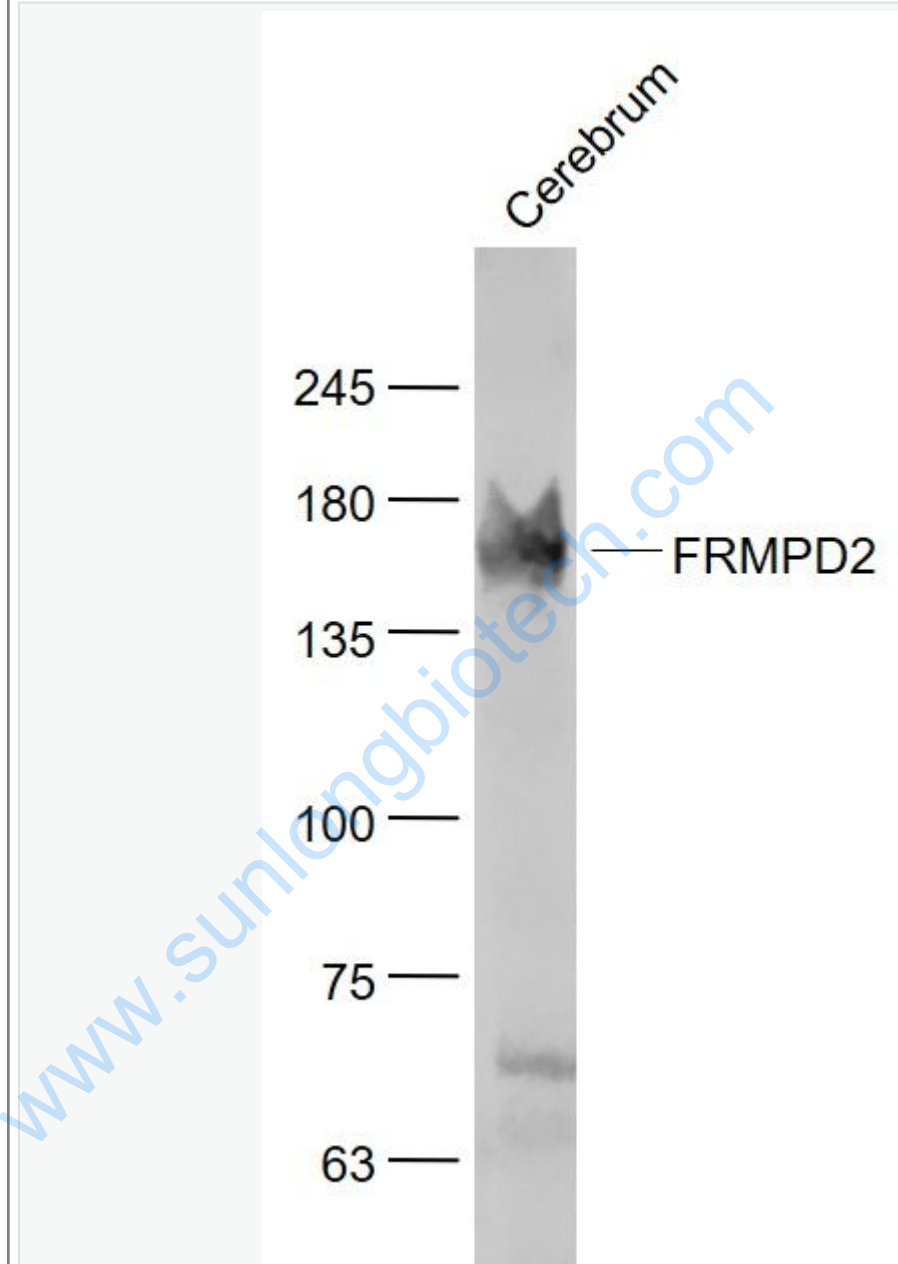
[Unigene: 664786](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



Sample:

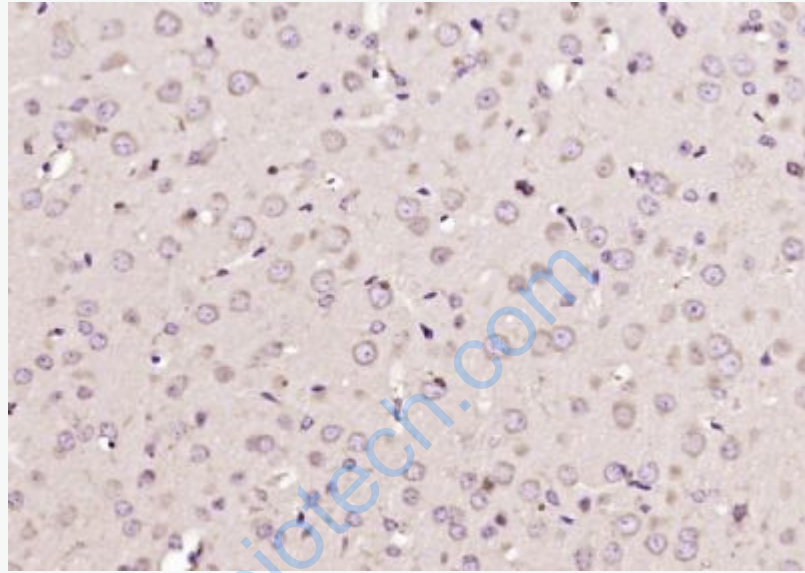
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti- FRMPD2 (SL9038R) at 1/1000 dilution

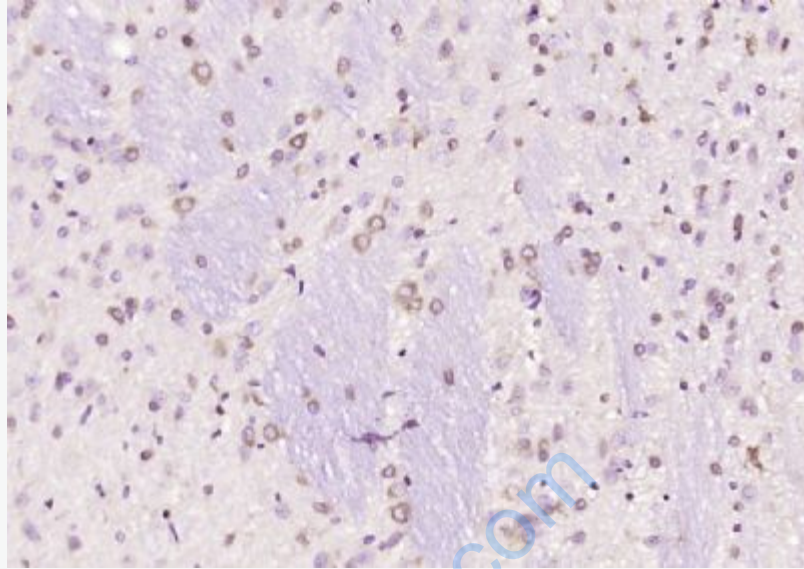
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 144 kD

Observed band size: 144 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FRMPD2) Polyclonal Antibody, Unconjugated (SL9038R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FRMPD2) Polyclonal Antibody, Unconjugated (SL9038R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.