

**FARP1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18009a****Specification**

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**FARP1 Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9Y4F1</a>
Other Accession	<a href="#">F1P065</a> , <a href="#">NP_005757.1</a>
Reactivity	Human
Predicted	Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	62-90

**FARP1 Antibody (N-term) - Additional Information****Gene ID** 10160**Other Names**

FERM, RhoGEF and pleckstrin domain-containing protein 1, Chondrocyte-derived ezrin-like protein, Pleckstrin homology domain-containing family C member 2, PH domain-containing family C member 2, FARP1, CDEP, PLEKHC2

**Target/Specificity**

This FARP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-90 amino acids from the N-terminal region of human FARP1.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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**

FARP1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FARP1 Antibody (N-term) - Protein Information****Name** FARP1

**Synonyms** CDEP, PLEKHC2

**Function** Functions as a guanine nucleotide exchange factor for RAC1. May play a role in semaphorin signaling. Plays a role in the assembly and disassembly of dendritic filopodia, the formation of dendritic spines, regulation of dendrite length and ultimately the formation of synapses (By similarity).

**Cellular Location**

Cell membrane; Peripheral membrane protein; Cytoplasmic side. Synapse. Synapse, synaptosome Cytoplasm, cytosol. Cell projection, filopodium. Cell projection, dendrite. Cell projection, dendritic spine. Note=Recruited to the cell membrane via interaction with CADM1.

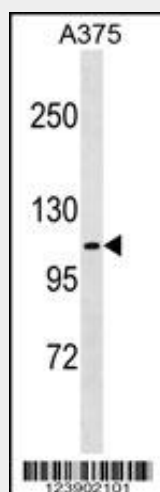
**Tissue Location**

Detected in cAMP-treated chondrocytes, but not in untreated chondrocytes. Detected in fetal brain, heart and spleen, and in adult testis, kidney and lung.

**FARP1 Antibody (N-term) - 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](#)

**FARP1 Antibody (N-term) - Images**

FARP1 Antibody (N-term) (Cat. #AP18009a) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the FARP1 antibody detected the FARP1 protein (arrow).

**FARP1 Antibody (N-term) - Background**

This gene was originally isolated through subtractive hybridization due to its increased expression in differentiated chondrocytes versus dedifferentiated chondrocytes. The resulting

protein contains a predicted ezrin-like domain, a Dbl homology domain, and a pleckstrin homology domain. It is believed to be a member of the band 4.1 superfamily whose members link the cytoskeleton to the cell membrane. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

#### **FARP1 Antibody (N-term) - References**

Stein, J.L., et al. Neuroimage 53(3):1160-1174(2010)  
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Evangelou, E., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (1), 220-228 (2010) :  
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)  
Olsen, J.V., et al. Cell 127(3):635-648(2006)