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FARP1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18009a

Specification

FARP1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y4F1
Other Accession	F1P065, NP_005757.1
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

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.

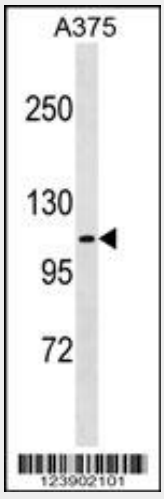
Tissue Location
Detected in cAMP-treated chondrocytes, but not in untreated chondrocytes. Detected in fetal brain, heart and spleen, and in adult testis, kidney and lung.

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 Cytomety
- 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)