



## Rabbit Anti-FARP1 antibody

SL13144R

<b>Product Name:</b>	FARP1
<b>Chinese Name:</b>	软骨细胞Ezrin样蛋白抗体
<b>Alias:</b>	CDEP; Chondrocyte derived ezrin like protein; FERM RhoGEF and pleckstrin domain containing protein 1; FERM RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived). PLEKHC2; FARP1 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/testICC=1:100-500IF=1:100-500 (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>	119kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human FARP1:201-300/1045
<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>	FARP1 (FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1), also known as PLEKHC2 or CDEP, is a 1,045 amino acid protein that contains one FERM domain, one DH domain and two PH domains. Existing as multiple alternatively spliced isoforms that are expressed in fetal heart, brain and spleen, as well as in adult lung, kidney and testis, FARP1 is thought to function as a Rho-guanine nucleotide exchange factor that

may play a role in linking the cell membrane to the cytoskeleton. The gene encoding FARP1 maps to human chromosome 13, which houses over 400 genes, such as BRCA2 and RB1, and comprises nearly 4% of the human genome. Trisomy 13, also known as Patau syndrome, is deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

**Function:**

The FARP1 protein contains a predicted ezrin-like domain, a Dbl homology domain, and a pleckstrin homology domain, and 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 the FARP1 gene, which shows increased expression in differentiated chondrocytes versus dedifferentiated chondrocytes.

**Subcellular Location:**

Cytoplasmic.

**Similarity:**

Contains 1 DH (DBL-homology) domain.

Contains 1 FERM domain.

Contains 2 PH domains.

**SWISS:**

Q9Y4F1

**Gene ID:**

10160

**Database links:**

[Entrez Gene: 10160](#)Human

[Omim: 602654](#)Human

[SwissProt: Q9Y4F1](#)Human

[Unigene: 403917](#)Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Blank control: Hela.

Primary Antibody (green line): Rabbit Anti-FARP1 antibody (SL13144R)

Dilution:  $1\mu\text{g} / 10^6$  cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution:  $3\mu\text{g} / \text{test}$ .

#### Protocol

The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Acquisition of 20,000 events was performed.