



## Rabbit Anti-COTL1 antibody

SL14002R

<b>Product Name:</b>	COTL1
<b>Chinese Name:</b>	肌动蛋白辅助蛋白类样蛋白抗体
<b>Alias:</b>	CLP; Coactosin like 1; Coactosin-like protein; COTL1; COTL1_HUMAN; FLJ43657; MGC19733.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=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>	16kDa
<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 COTL1:41-142/142
<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 one of the numerous actin-binding proteins which regulate the actin cytoskeleton. This protein binds F-actin, and also interacts with 5-lipoxygenase, which is the first committed enzyme in leukotriene biosynthesis. Although this gene has been reported to map to chromosome 17 in the Smith-Magenis syndrome region, the best alignments for this gene are to chromosome 16. The Smith-Magenis syndrome region is the site of two related pseudogenes. [provided by RefSeq, Jul 2008]

**Function:**

Binds to F-actin in a calcium-independent manner. Has no direct effect on actin depolymerization.

**Subcellular Location:**

Cytoplasm > cytoskeleton.

**Tissue Specificity:**

Widely expressed with highest levels in placenta, lung, kidney and peripheral blood leukocytes and lower levels in brain, liver and pancreas.

**Similarity:**

Belongs to the actin-binding proteins ADF family. Coactosin subfamily. Contains 1 ADF-H domain.

**SWISS:**

Q14019

**Gene ID:**

23406

**Database links:**

[Entrez Gene: 23406](#) Human

[Omim: 606748](#) Human

[SwissProt: Q14019](#) Human

[Unigene: 289092](#) Human

**Important Note:**

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