

COTL1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8819b**Specification**

COTL1 Antibody (C-term) - Product Information

Application	WB, FC, IHC-P,E
Primary Accession	Q14019
Other Accession	Q2HJ57 , NP_066972
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	15945
Antigen Region	115-142

COTL1 Antibody (C-term) - Additional Information**Gene ID** 23406**Other Names**

Coactosin-like protein, COTL1, CLP

Target/Specificity

This COTL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 115-142 amino acids from the C-terminal region of human COTL1.

Dilution

WB~~1:1000

FC~~1:10~50

IHC-P~~1:50~100

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

COTL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

COTL1 Antibody (C-term) - Protein Information

Name COTL1

Synonyms CLP

Function Binds to F-actin in a calcium-independent manner. Has no direct effect on actin depolymerization. Acts as a chaperone for ALOX5 (5LO), influencing both its stability and activity in leukotrienes synthesis.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Nucleus

Tissue Location

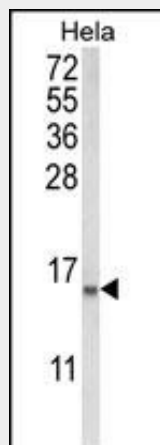
Widely expressed with highest levels in placenta, lung, kidney and peripheral blood leukocytes and lower levels in brain, liver and pancreas.

COTL1 Antibody (C-term) - Protocols

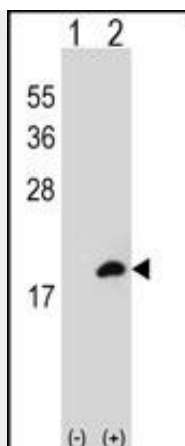
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

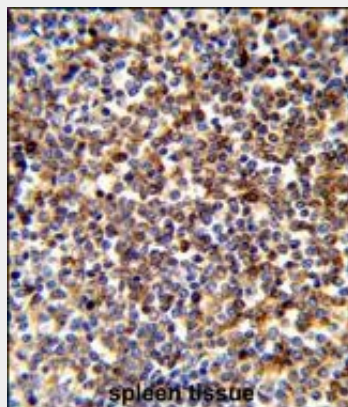
COTL1 Antibody (C-term) - Images



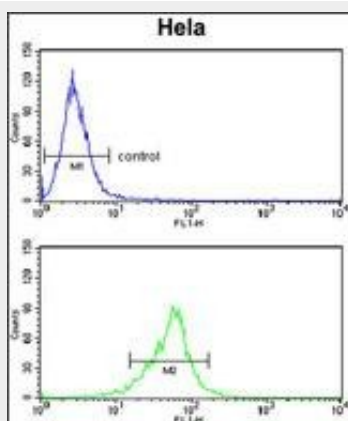
Western blot analysis of COTL1 Antibody (C-term) (Cat. #AP8819b) in HeLa cell line lysates (35ug/lane). COTL1 (arrow) was detected using the purified Pab.



Western blot analysis of COTL1 (arrow) using rabbit polyclonal COTL1 Antibody (C-term) (Cat. #AP8819b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the COTL1 gene.



Formalin-fixed and paraffin-embedded human spleen tissue reacted with COTL1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



COTL1 Antibody (C-term) (Cat. #AP8819b) flow cytometry analysis of HeLa cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

COTL1 Antibody (C-term) - Background

COTL1 is 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.

COTL1 Antibody (C-term) - References

Provost,P., et.al., Proc. Natl. Acad. Sci. U.S.A. 96 (5), 1881-1885 (1999)
Provost,P., et.al., J. Biol. Chem. 276 (19), 16520-16527 (2001)