

ARG56291 anti-COTL1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes COTL1
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	COTL1
Species	Human
Immunogen	Recombinant protein of Human COTL1
Conjugation	Un-conjugated
Alternate Names	Coactosin-like protein; CLP

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50-1:200
	WB	1:500-1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse kidney and HeLa	

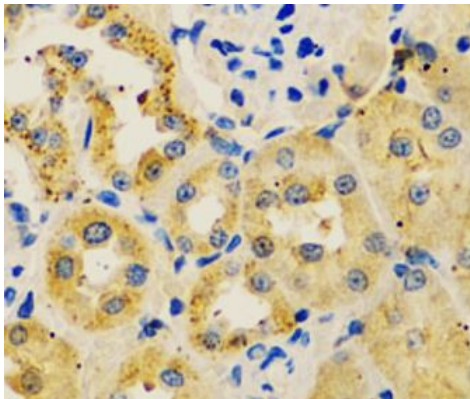
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

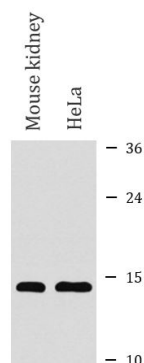
Gene Symbol	COTL1
Gene Full Name	coactosin-like F-actin binding protein 1
Background	This gene encodes one of the numerous actin-binding proteins which regulate the actin cytoskeleton. This protein binds F-actin, and also interacts with 5-lipoxygenase, which is the first committed enzyme in leukotriene 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. Acts as a chaperone for ALOX5 (5LO), influencing both its stability and activity in leukotrienes synthesis. [UniProt]
Calculated Mw	16 kDa

Images



ARG56291 anti-COTL1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat kidney stained with ARG56291 anti-COTL1 antibody at 1:100 dilution.



ARG56291 anti-COTL1 antibody WB image

Western blot: Mouse kidney and HeLa cell lysates stained with ARG56291 anti-COTL1 antibody.