

**Goat Anti-Coronin 1 / TACO Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1267a

## Specification

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### Goat Anti-Coronin 1 / TACO Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P31146</a>
Other Accession	<a href="#">NP_009005</a> , <a href="#">11151</a> , <a href="#">12721 (mouse)</a> , <a href="#">155151 (rat)</a>
Reactivity	Human, Mouse
Predicted	Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	51026

### Goat Anti-Coronin 1 / TACO Antibody - Additional Information

**Gene ID** 11151

#### Other Names

Coronin-1A, Coronin-like protein A, Clipin-A, Coronin-like protein p57, Tryptophan aspartate-containing coat protein, TACO, CORO1A, CORO1

#### Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-Coronin 1 / TACO Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Goat Anti-Coronin 1 / TACO Antibody - Protein Information

**Name** CORO1A

**Synonyms** CORO1

#### Function

May be a crucial component of the cytoskeleton of highly motile cells, functioning both in the invagination of large pieces of plasma membrane, as well as in forming protrusions of the plasma

membrane involved in cell locomotion. In mycobacteria-infected cells, its retention on the phagosomal membrane prevents fusion between phagosomes and lysosomes.

#### Cellular Location

Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Cytoplasmic vesicle, phagosome membrane. Note=In non-infected macrophages, associated with the cortical microtubule network. In mycobacteria-infected macrophages, becomes progressively relocalized and retained around the mycobacterial phagosomes. Retention on the phagosomal membrane is strictly dependent on mycobacterial viability and not due to impaired acidification (By similarity).

#### Tissue Location

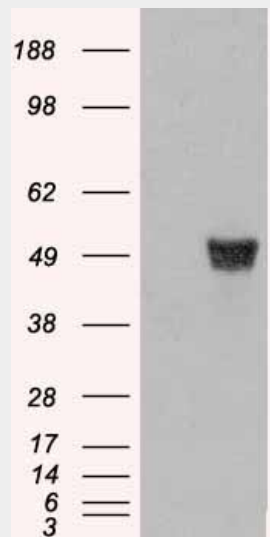
Expressed in brain, thymus, spleen, bone marrow and lymph node. Low in lung and gut

### Goat Anti-Coronin 1 / TACO Antibody - Protocols

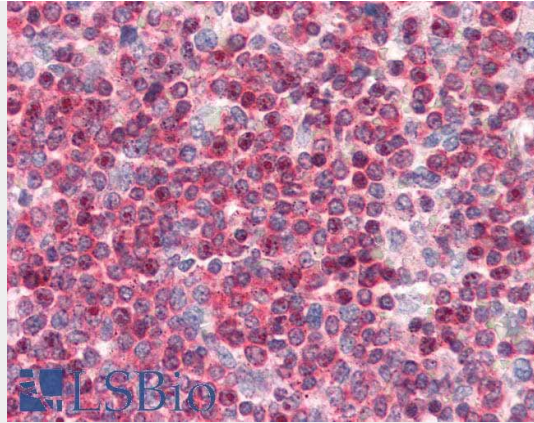
Provided below are standard protocols that you may find useful for product applications.

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

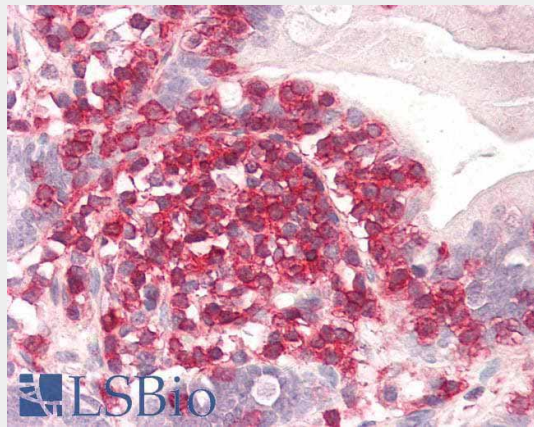
### Goat Anti-Coronin 1 / TACO Antibody - Images



AF1267a HEK293 overexpressing CORO1A (RC210753) and probed with (mock transfection in first lane), tested by Origene.



AF1267a (3.75 µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF1267a (3.75 µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### **Goat Anti-Coronin 1 / TACO Antibody - Background**

This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. Alternative splicing results in multiple transcript variants. A related pseudogene has been defined on chromosome 16.

### **Goat Anti-Coronin 1 / TACO Antibody - References**

Coronin-1 is associated with neutrophil survival and is cleaved during apoptosis: potential implication in neutrophils from cystic fibrosis patients. Moriceau S, et al. J Immunol, 2009 Jun 1. PMID 19454722.

The actin regulator coronin 1A is mutant in a thymic egress-deficient mouse strain and in a patient with severe combined immunodeficiency. Shio LR, et al. Nat Immunol, 2008 Nov. PMID 18836449. Phorbol ester-dependent phosphorylation regulates the association of p57/coronin-1 with the actin cytoskeleton. Oku T, et al. J Biol Chem, 2008 Oct 24. PMID 18693254.

Coronin function is required for chemotaxis and phagocytosis in human neutrophils. Yan M, et al. J Immunol, 2007 May 1. PMID 17442961.

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.