

**Goat Anti-CTLA + CTLB Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1286a

**Specification**

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**Goat Anti-CTLA + CTLB Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P09496</a>
Other Accession	<a href="#">NP_009028</a> , <a href="#">1211</a> , <a href="#">1212</a> , <a href="#">12757 (mouse)</a> , <a href="#">83800 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	27077

**Goat Anti-CTLA + CTLB Antibody - Additional Information**

**Gene ID** 1211

**Other Names**

Clathrin light chain A, Lca, CLTA

**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-CTLA + CTLB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-CTLA + CTLB Antibody - Protein Information**

**Name** CLTA

**Function**

Clathrin is the major protein of the polyhedral coat of coated pits and vesicles. Acts as a component of the TACC3/ch- TOG/clathrin complex proposed to contribute to stabilization of kinetochore fibers of the mitotic spindle by acting as inter- microtubule bridge (PubMed:<a href="http://www.uniprot.org/citations/15858577" target="\_blank">15858577</a>, PubMed:<a href="http://www.uniprot.org/citations/21297582" target="\_blank">21297582</a>).

### Cellular Location

Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Membrane, coated pit; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton, spindle  
Note=Cytoplasmic face of coated pits and vesicles. In complex with TACC3 and CKAP5 (forming the TACC3/ch-TOG/clathrin complex) localized to inter-microtubule bridges in mitotic spindles.

### Goat Anti-CTLA + CTLB 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-CTLA + CTLB Antibody - Images



AF1286a (0.1  $\mu$ g/ml) staining of Human Frontal Cortex lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-CTLA + CTLB Antibody - Background

Clathrin is a large, soluble protein composed of heavy and light chains. It functions as the main structural component of the lattice-type cytoplasmic face of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. This gene encodes one of two clathrin light chain proteins which are believed to function as regulatory elements. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 8 and 12.

### Goat Anti-CTLA + CTLB Antibody - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.

Clathrin light chains function in mannose phosphate receptor trafficking via regulation of actin assembly. Poupon V, et al. Proc Natl Acad Sci U S A, 2008 Jan 8. PMID 18165318.

Identification of genes related to Parkinson's disease using expressed sequence tags. Kim JM, et al. DNA Res, 2006 Dec 31. PMID 17213182.