

CTLA4 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9453b**Specification**

CTLA4 Antibody (C-term) - Product Information

Application	IF, WB,E
Primary Accession	P16410
Other Accession	P42072 , Q9MYX7 , P09793
Reactivity	Human
Predicted	Mouse, Pig, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	182-210

CTLA4 Antibody (C-term) - Additional Information**Gene ID** 1493**Other Names**

Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4, CTLA-4, CD152, CTLA4, CD152

Target/Specificity

This CTLA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 182-210 amino acids from the C-terminal region of human CTLA4.

Dilution

IF~~1:10~50

WB~~1:1000

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

CTLA4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CTLA4 Antibody (C-term) - Protein Information**Name** CTLA4

Synonyms CD152

Function Inhibitory receptor acting as a major negative regulator of T-cell responses. The affinity of CTLA4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28.

Cellular Location

Cell membrane; Single-pass type I membrane protein. Note=Exists primarily an intracellular antigen whose surface expression is tightly regulated by restricted trafficking to the cell surface and rapid internalization

Tissue Location

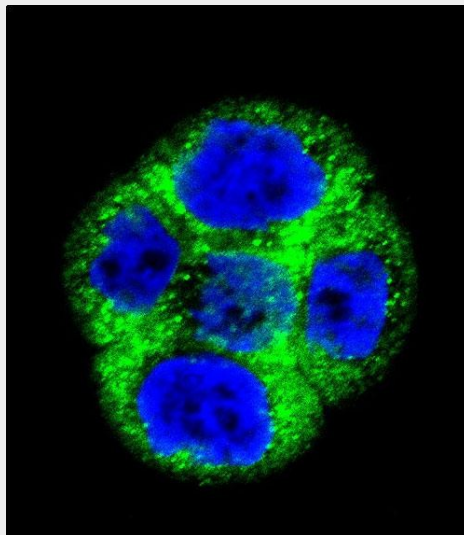
Widely expressed with highest levels in lymphoid tissues. Detected in activated T-cells where expression levels are 30- to 50-fold less than CD28, the stimulatory coreceptor, on the cell surface following activation.

CTLA4 Antibody (C-term) - Protocols

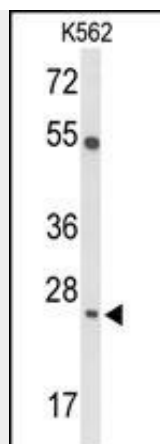
Provided below are standard protocols that you may find useful for product applications.

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

CTLA4 Antibody (C-term) - Images



Confocal immunofluorescent analysis of CTLA4 Antibody (C-term)(Cat#AP9453b) with WiDr cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western blot analysis of CTLA4 Antibody (C-term) (Cat. #AP9453b) in K562 cell line lysates (35ug/lane). CTLA4 (arrow) was detected using the purified Pab.

CTLA4 Antibody (C-term) - Background

CTLA4 is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer.

CTLA4 Antibody (C-term) - References

Mosbrugger, T.L., et al. J. Infect. Dis. 201(9):1371-1380(2010)
Zhao, S.X., et al. PLoS ONE 5 (3), E9821 (2010)
Oaks, M.K., et al. Cell. Immunol. 201(2):144-153(2000)
Chikuma, S., et al. J. Cell. Biochem. 78(2):241-250(2000)
Magistrelli, G., et al. Eur. J. Immunol. 29(11):3596-3602(1999)