

**CTLA4 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22463a**

**Specification**

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**CTLA4 Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P16410</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	24656

**CTLA4 Antibody - 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 a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human CTLA4.

**Dilution**

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 is for research use only and not for use in diagnostic or therapeutic procedures.

**CTLA4 Antibody - 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

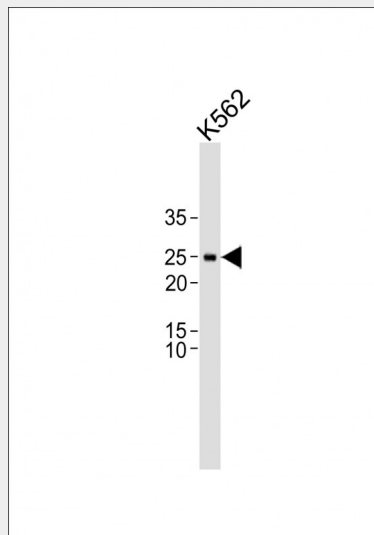
Widely expressed with highest levels in lymphoid tissues. Detected in activated T-cells where expression levels are 30- to 50-fold less than CD28, the stimulatory coreceptor, on the cell surface following activation.

### CTLA4 Antibody - 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 - Images



All lanes: Anti-CTLA4 Antibody at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 25 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

### CTLA4 Antibody - Background

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.

### **CTLA4 Antibody - References**

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Ling V.,et al.Genomics 78:155-168(2001).  
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Wu P.W.,et al.Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.  
Hillier L.W.,et al.Nature 434:724-731(2005).