

# CD80 Rabbit pAb

Catalog No.: A16039 **14 Publications**

## Basic Information

### Observed MW

50-75 kDa

### Calculated MW

33 kDa

### Category

Primary antibody

### Applications

WB,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IF-P** 1:50 - 1:200

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

941

### Swiss Prot

P33681

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

B7; BB1; B7-1; B7.1; LAB7; CD28LG; CD28LG1; CD80

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

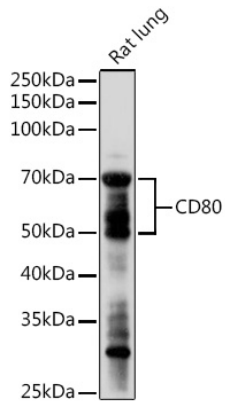
Affinity purification

### Storage

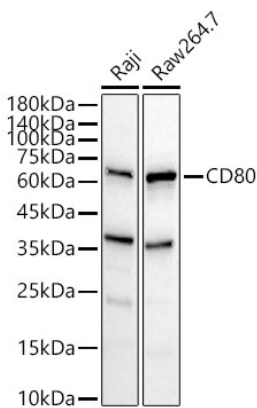
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

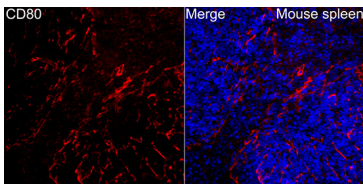
## Validation Data



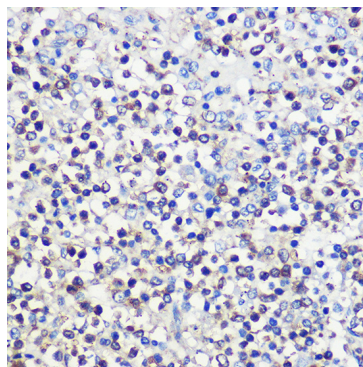
Western blot analysis of lysates from Rat lung, using CD80 Rabbit pAb (A16039) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.



Western blot analysis of various lysates, using CD80 Rabbit pAb (A16039) at 1:900 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



Immunofluorescence analysis of Mouse spleen tissue using CD80 Rabbit pAb (A16039) at a dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen using CD80 Rabbit pAb (A16039) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.