

For Research Use Only

# CD40 Polyclonal antibody

Catalog Number: 31446-1-AP



## Basic Information

Catalog Number:

31446-1-AP

Concentration:

750 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_011611.2

GeneID (NCBI):

21939

UNIPROT ID:

P27512-1

Full Name:

CD40 antigen

Calculated MW:

32 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : J774A.1 cells, RAW 264.7 cells

## Background Information

CD40, also known as TNFRSF5 or Bp50, is a member of the tumor necrosis factor (TNF) receptor (TNFR) family. It is expressed on a wide range of cell types including B cells, macrophages, and dendritic cells (PMID: 19426221). CD40 acts as a receptor for TNFSF5/CD40LG, which is expressed on activated T cells. This interaction is essential for B cell proliferation, expression of activation markers, immunoglobulin production, and isotype switching (PMID: 8809473). This interaction is also crucial for the formation of memory B cells and germinal centers, and signaling through CD40 prevents apoptosis of germinal center B cells.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

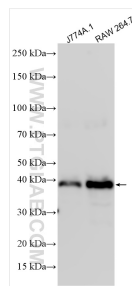
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31446-1-AP (CD40 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.