

CD40 Rabbit pAb

Catalog No.: A0218 **1 Publications**

Basic Information

Catalog No.

A0218

Observed MW

45kDa

Calculated MW

22kDa/30kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

| | |
|------------|----------------|
| WB | 1:500 - 1:2000 |
| IHC | 1:50 - 1:200 |
| IF | 1:50 - 1:200 |

Contact

 | www.abclonal.com

Background

This gene is a member of the TNF-receptor superfamily. The encoded protein is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Mutations affecting this gene are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3). Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Immunogen Information

Gene ID

958

Swiss Prot

P25942

Immunogen

Recombinant protein of human CD40

Synonyms

CD40;Bp50;CDW40;TNFRSF5;p50

Product Information

Source

Rabbit

Isotype

IgG

Purification

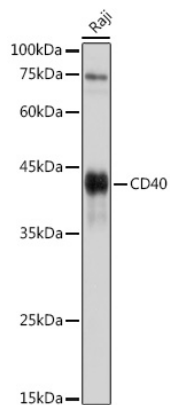
Affinity purification

Storage

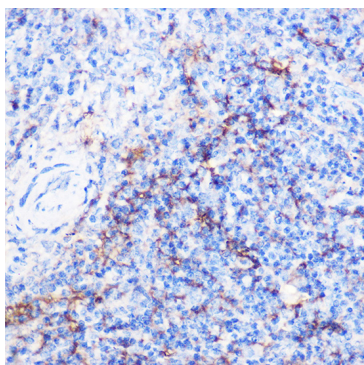
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

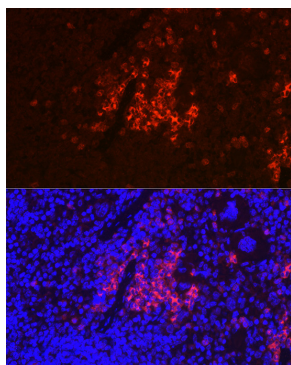
Validation Data



Western blot analysis of extracts of Raji cells, using CD40 antibody (A0218) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.



Immunohistochemistry of paraffin-embedded mouse spleen using CD40 Rabbit pAb (A0218) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of mouse spleen using CD40 Rabbit pAb (A0218) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.