

CD40 Rabbit mAb

Catalog No.: A22714 **Recombinant**

Basic Information

Observed MW

40-45kDa

Calculated MW

31kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Human

CloneNo number

ARC57627

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.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

958

Swiss Prot

P25942

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 21-193 of human CD40. (NP_001241.1).

Synonyms

p50; Bp50; CDW40; TNFRSF5; CD40

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

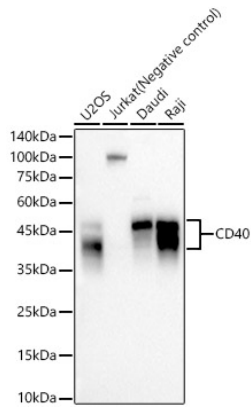
Affinity purification

Storage

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

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates, using CD40 Rabbit mAb (A22714) at 1:1000 dilution.
Secondary antibody: HRP 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: 60s.