

Rabbit CD40 Polyclonal Antibody | anti-CD40 antibody

Rabbit anti CD40 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71312	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

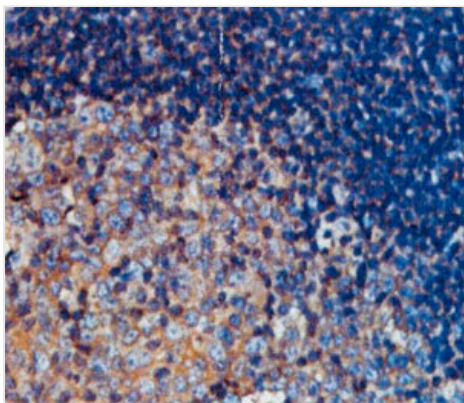
PRODUCT SYNONYMS

CD40; Polyclonal Antibody; Rabbit anti CD40 Polyclonal Antibody; TNF recptor superfamily member 5; TNFRSF5; anti-CD40 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	The antibody recognizes human CD40 protein. It cross-reacts human, rat and mouse. The other species was not tested.
Purity/Purification	Purified by Epitope Affinity Purification
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Sequence Length	117
Applicable Applications for anti-CD40 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Antigen Preparation	A synthetic peptide QPVTQEDGKESRISVQERQ derived from human CD40 (258-277aa) was used as an immunogen.
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2-8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)
Human tonsil tissue stained with Rabbit anti-CD40 (AAA71312) polyclonal antibody at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20min.

ADDITIONAL INFORMATION

Related Product Information for anti-CD40 antibody	The CD40 is a member of the TNF-receptor superfamily. It 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. Adapter 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). CD40 is a B cell surface antigen.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114053977
NCBI GeneID	958
Molecular Weight	35.0
NCBI Official Full Name	CD40, partial
NCBI Official Synonym Full Names	CD40 molecule
NCBI Official Symbol	CD40
NCBI Official Synonym Symbols	p50; Bp50; CDW40; TNFRSF5
NCBI Protein Information	tumor necrosis factor receptor superfamily member 5
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 5
UniProt Gene Name	CD40
UniProt Synonym Gene Names	TNFRSF5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.