

Rabbit CD40 Polyclonal Antibody | anti-CD40 antibody

CD40 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325832	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

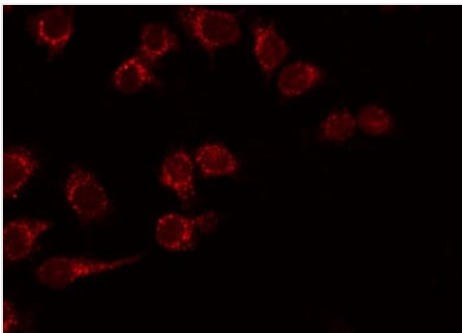
PRODUCT SYNONYMS

CD40; Polyclonal Antibody; CD40 Antibody; AI326936; B cell associated molecule CD40; B cell surface antigen CD40; B cell-associated molecule; B-cell surface antigen CD40; Bp50; CD 40; CD40 antigen (TNF receptor superfamily member 5); CD40 antigen; CD40 molecule; TNF receptor superfamily member 5; CD40 protein; CD40 type II isoform; CD40L receptor; CDw40; GP39; HIGM1; IGM; IMD3; MGC9013; Nerve growth factor receptor related B lymphocyte activation molecule; OTTHUMP00000031699; OTTHUMP00000031700; p50; T-BAM; TBAM; TNFRSF5; TNR5_HUMAN; TRAP; Tumor necrosis factor receptor superfamily; member 5; Tumor necrosis factor receptor superfamily member 5; Tumor necrosis factor receptor superfamily member 5 precursor; isoform CRA_a; anti-CD40 antibody

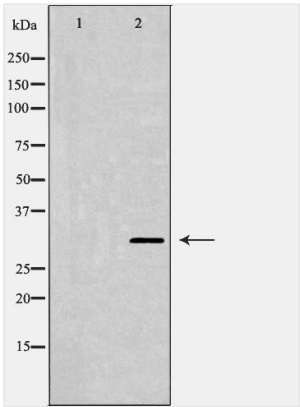
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD40 antibody detects endogenous levels of total CD40
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	277
Applicable Applications for anti-CD40 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	C term-peptide of human CD40
Subcellular Location	Secreted and Cell Membrane.
Tissue Specificity	B-cells and in primary carcinomas.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA325832 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts of mouse eyes, using CD40 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CD40 antibody	Description: CD40 Ligand (CD40L), a member of the TNF superfamily of ligands, is expressed as either a membrane-bound or soluble homotrimer (1). Both membrane-bound and soluble forms of CD40L have biological activity (1, 2). CD40L is expressed primarily on activated T cells; however, mast cells, basophils, and NK cells may also express CD40L (1). CD40L functions as an important T cell co-stimulatory molecule and enhances T-dependent B cell responses (1, 2). CD40L binds CD40, which is a receptor expressed on B cells, dendritic cells, and macrophages (1). Binding of CD40L to CD40 leads to the recruitment of TRAF proteins (TRAFs 2, 3, 5, and 6) resulting in the activation of the JNK and NF-kappaB pathways (1, 2). Function: Receptor for TNFSF5/CD40LG. Transduces TRAF6-and MAP3K8-mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion. Subunit Structure: Monomer and homodimer. The variant form found in the bladder carcinoma cell line Hu549 does not form homodimers. Interacts with TRAF1, TRAF2, TRAF3, TRAF5 and TRAF6. Interacts with TRAF6 and MAP3K8; the interaction is required for ERK activation.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507581
NCBI GeneID	958
NCBI Accession #	NP_001241.1
NCBI GenBank Nucleotide #	NM_001250.5
UniProt Accession #	P25942; Q53GN5; Q5JY15; Q5U007; Q7M4Q8; Q86YK5; Q9BYU0; E1P5S9
Molecular Weight	Observed: 31 kDa Predicted: 31 kDa
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 5 isoform 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd40-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325832>