

Rabbit anti-Human CD40/TNFRSF5 Polyclonal Antibody | anti-CD40 antibody

Anti-CD40/TNFRSF5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259415	Rabbit	Human	Immunoprecipitation, Immunocytochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CD40/TNFRSF5; Polyclonal Antibody; Anti-CD40/TNFRSF5 Antibody; Rabbit Polyclonal; CD40/TNFRSF5 Antibody; Rabbit PAb; Antigen Affinity Purified; CD40 molecule; TNF receptor superfamily member 5; Anti-Bp50 Antibody; Anti-CDW40 Antibody; Anti-p50 Antibody; Anti-TNFRSF5 Antibody; anti-CD40 antibody

PRODUCT SPECIFICATIONS

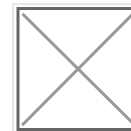
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CD40/TNFRSF5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD40 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human CD40/TNFRSF5 Protein (NP_001241.1; Met1-Ala194). CD40/TNFRSF5 specific IgG was purified by Human CD40/TNFRSF5 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

CD40 was immunoprecipitated using: Lane A:0.5 mg A-431 Whole Cell Lysate 4 uL anti-CD40 rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-CD40 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 45 kDa Observed band size :45 kDa



IF (Immunofluorescence)

Immunofluorescence staining of CD40-His in HepG2 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human CD40-His polyclonal antibody (dilution ratio 1:100) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm and Cell membrane.



WB (Western Blot)
Anti-CD40 rabbit polyclonal antibody at 1:500 dilutionLane A: A431 Whole Cell LysateLysates/proteins at 30ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique. Performed under reducing conditions.Predicted band size:30 kDaObserved band size:42 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CD40 antibody	CD40, also known as TNFRSF5, is a member of the TNF receptor superfamily which are single transmembrane-spanning glycoproteins. CD40 protein plays an essential role in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. CD40 protein is expressed in B cells, dendritic cells, macrophages, endothelial cells, and several tumor cell lines. Defects in CD40 result in hyper-IgM immunodeficiency type 3 (HIGM3). In addition, CD40/CD40L interaction is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis.
Product Categories/Family for anti-CD40 antibody	B Cell Receptor Signaling Pathway; Cancer Drug Targets
References	va. Koote. C. e. al. (2000). CD40-CD4. ligand. . Leuko. Biol. 6. (1). 2-17.Bhusha. A. e. al. (2002). CD40:CD40. interaction. i. X-linke. an. non-X-linke. hyper-Ig. syndromes. Immuno. Res. 2. (3). 311-24.Chatzigeorgio. A. e. al. (2009). CD40/CD40. signalin. an. it. implicatio. i. healt. an. disease. Biofactors. 35(6). 474-83.L. R. e. al. (2009). Expressio. o. CD4. an. CD40. i. Gastri. Cance. Tissu. an. It. Clinica. Significance. In. . Mo. Sci. 10(9). 3900-17.Lieven. D. e. al. (2009). Th. multi-functionalit. o. CD40. an. it. recepto. CD4. i. atherosclerosis. Throm. Haemost. 102(2). 206-14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507581
NCBI GeneID	958
NCBI Accession #	NP_001241.1
NCBI GenBank Nucleotide #	NM_001250.4
UniProt Accession #	P25942; Q53GN5; Q5JY15; Q5U007; Q7M4Q8; Q86YK5; Q9BYU0; E1P5S9
Molecular Weight	30,619 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 5 isoform 1
NCBI Official Synonym Full Names	CD40 molecule, TNF receptor superfamily member 5
NCBI Official Symbol	CD40
NCBI Official Synonym Symbols	p50; Bp50; CDW40; TNFRSF5
NCBI Protein Information	tumor necrosis factor receptor superfamily member 5; CD40L receptor; CD40 type II isoform; B cell-associated molecule; B cell surface antigen CD40; B-cell surface antigen CD40; CD40 antigen (TNF receptor superfamily member 5); tumor necrosis factor recept
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 5
UniProt Gene Name	CD40
UniProt Synonym Gene Names	TNFRSF5
UniProt Entry Name	TNR5_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd40-tnfrsf5-antibody-immunoprecipitation-immunocytochemistry-western-blot-elisa/259415>