

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

Anti-CD40 Antibody, Rabbit Polyclonal

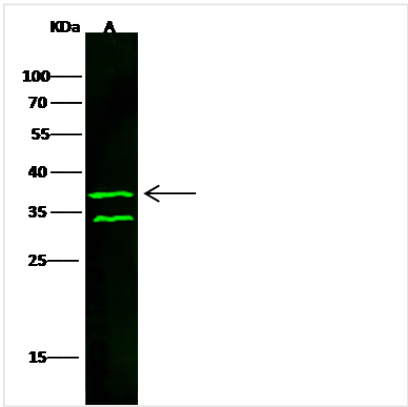
CATALOG # AAA254584	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

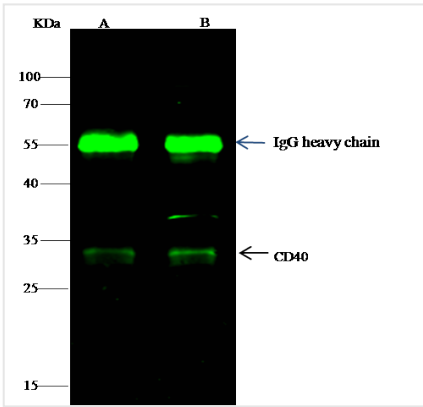
CD40; Polyclonal Antibody; Anti-CD40 Antibody; Rabbit Polyclonal; CD40/TNFRSF5 Antibody; Rabbit PAb; Antigen Affinity Purified; CD40 molecule; TNF receptor superfamily member 5; Anti-Bp50 Antibody; Anti-CDW40 Antibody; Anti-p50 Antibody; Anti-TNFRSF5 Antibody; anti-CD40 antibody

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), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human CD40/TNFRSF5
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human CD40/TNFRSF5, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 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.



WB (Western Blot)
Anti-CD40 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 31 kDa Observed band size: 37 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)
CD40 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate Lane B: 0.5 mg HeLa Whole Cell Lysate 2 uL anti-CD40 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein G. Primary antibody: Anti-CD40 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 31 kDa Observed band size: 31 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	Cancer Drug Targets; B Cell Receptor Signaling Pathway
References	van Kooten C, et al. (2000). CD40-CD40 ligand. J Leukoc Biol. 67 (1): 2-17. Bhushan A, et al. (2002). CD40:CD40L interactions in X-linked and non-X-linked hyper-IgM syndromes. Immunol Res. 24 (3): 311-24. Chatzigeorgiou A, et al. (2009) CD40/CD40L signaling and its implication in health and disease. Biofactors. 35(6): 474-83. Li R, et al. (2009) Expression of CD40 and CD40L in Gastric Cancer Tissue and Its Clinical Significance. Int J Mol Sci. 10(9): 3900-17. Lievens D, et al. (2009) The multi-functionality of CD40L and its receptor CD40 in atherosclerosis. Thromb 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://www.aaabiotech.com/polyclonal/cd40-antibody-immunoprecipitation-western-blot-elisa/254584>