

Rabbit anti-Human CD40L Polyclonal Antibody | anti-CD40LG antibody

Anti-CD40L antibody

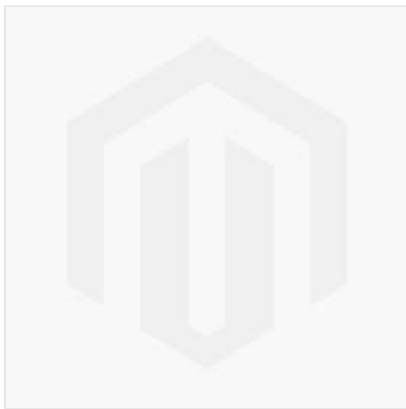
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45024	Rabbit	Human	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CD40L; Polyclonal Antibody; Anti-CD40L antibody; CD40 ligand(CD40-L); CD40 ligand; CD 154 antibody; CD 40L antibody; CD154 antibody; CD154 antigen antibody; CD40 antigen ligand antibody; CD40 homologue antibody; CD40 L antibody; CD40 ligand antibody; soluble form antibody; CD40-L antibody; CD40L_HUMAN antibody; CD40LG antibody; gp39 antibody; hCD40L antibody; HIGM1 antibody; Hyper IgM syndrome antibody; IGM antibody; IMD3 antibody; Ly62 antibody; T B cell activating molecule antibody; T BAM antibody; T cell antigen GP39 antibody; T-cell antigen Gp39 antibody; TBAM antibody; TNF related activation protein antibody; TNF superfamily member 5 antibody; TNF-related activation protein antibody; Tnfsf5 antibody; TRAP antibody; Tumor Necrosis Factor(ligand) Superfamily Member 5 antibody; Tumor necrosis factor ligand superfamily member 5 antibody; anti-CD40LG antibody

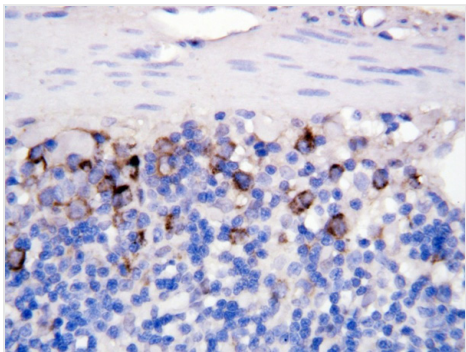
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	261
Applicable Applications for anti-CD40LG antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CD40L (47-65aa HRRLDKIEDERNLHEDFVF), different from the related mouse sequence by three amino acids, rat sequence by four amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



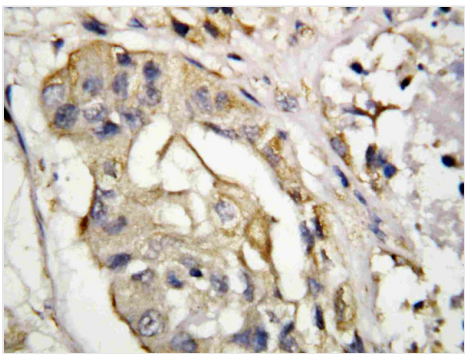
IHC (Immunohistochemistry)

Figure 3. IHC analysis of sCD40L using anti- sCD40L antibody (AAA45024).sCD40L was detected in paraffin-embedded section of human mammary cancer tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- sCD40L Antibody (AAA45024) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



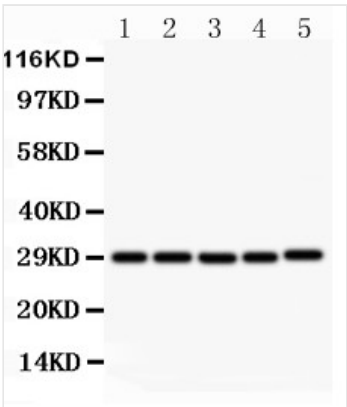
IHC (Immunohistochemistry)

Figure 2. IHC analysis of sCD40L using anti- sCD40L antibody (AAA45024).sCD40L was detected in paraffin-embedded section of rat intestine tissues. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti- sCD40L Antibody (AAA45024) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

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WB (Western Blot)

Figure 1. Western blot analysis of sCD40L using anti- sCD40L antibody (AAA45024).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: MCF-7 Whole Cell Lysate,Lane 2: HELA Whole Cell Lysate,Lane 3: JURKAT Whole Cell Lysate,Lane 4: HMY2 Whole Cell Lysate,Lane 5: COLO320 Whole Cell Lysate.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- sCD40L antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for sCD40L at approximately 29KD. The expected band size for sCD40L is at 29KD.

ADDITIONAL INFORMATION

Related Product Information for anti-CD40LG antibody	Description: Rabbit IgG polyclonal antibody for CD40 ligand(CD40LG) detection. Tested with WB, IHC-P in Human. Background: CD40 ligand(CD40L) is a type II membrane protein of 261 amino acids on activated T cells that induces B cell proliferation and immunoglobulin secretion. It has homology with tumour necrosis factor-alpha and -beta, and has important functions in B-cell activation and differentiation. Human CD40L with 5 exons, is mapped to the proximal region of the mouse X chromosome on Xq26.3-27.1, and can be detected on T cells but is absent from B cells and monocytes. Since CD40L is expressed on platelets and released from them on activation, its predictive value as a marker for clinical outcome and the therapeutic effect of inhibition of glycoprotein IIb /IIIa receptor in patients with acute coronary syndromes was investigated. The soluble CD40L may be involved in the process of restenosis and that it exerts its effect by triggering a complex group of inflammatory reactions on endothelial and mononuclear cells. CD40L plays a central role in the pathophysiology of acute coronary syndromes, and has a role in the pathogenesis of coronary artery lesions.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	231718
NCBI GeneID	959
UniProt Accession #	P29965
Molecular Weight	29,274 Da
NCBI Official Full Name	CD40 ligand
NCBI Official Synonym Full Names	CD40 ligand
NCBI Official Symbol	CD40LG
NCBI Official Synonym Symbols	IGM; IMD3; TRAP; gp39; CD154; CD40L; HIGM1; T-BAM; TNFSF5; hCD40L
NCBI Protein Information	CD40 ligand; CD40-L; CD40 antigen ligand; T-cell antigen Gp39; T-B cell-activating molecule; TNF-related activation protein; tumor necrosis factor (ligand) superfamily member 5
UniProt Protein Name	CD40 ligand
UniProt Gene Name	CD40LG
UniProt Synonym Gene Names	CD40L; TNFSF5; TRAP; CD40-L; TRAP
UniProt Entry Name	CD40L_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/cd40l-antibody-immunohistochemistry-western-blot-elisa/45024>