

Datasheet for ABIN3020937

anti-CD40 Ligand antibody (AA 47-223)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CD40 Ligand (CD40LG)
Binding Specificity:	AA 47-223
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD40 Ligand antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 47-223 of human CD40L (NP_000065.1).
Sequence:	HRRLDKIEDE RNLHEDFVFM KTIQRCNTGE RSLSLNCEE IKSQFEGFVK DIMLNKEETK KENSFEMQKG DQNPQIAAHV ISEASSKTTS VLQWAEKGYT TMSNNLVTLE NGKQLTVKRQ GLYYIYAQVT FCSNREASSQ APFIASLCLK SPGRFERILL RAANTHSSAK PCGQQSI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

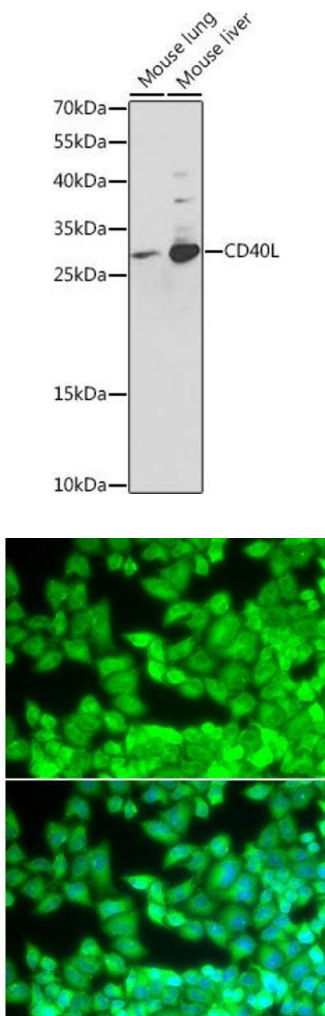
Target:	CD40 Ligand (CD40LG)
Alternative Name:	CD40LG (CD40LG Products)
Background:	The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome.,CD154,CD40L,HIGM1,IGM,IMD3,T-BAM,TNFSF5,TRAP,gp39,hCD40L,CD40LG,Cell Biology & Developmental Biology,Apoptosis,Immunology & Inflammation,CD markers,Cytokines,TNF,B Cell Receptor Signaling Pathway,NF-kB Signaling Pathway,Cell Intrinsic Innate Immunity Signaling Pathway,Cardiovascular,CD40LG
Molecular Weight:	29 kDa
Gene ID:	959
UniProt:	P29965
Pathways:	NF-kappaB Signaling , Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

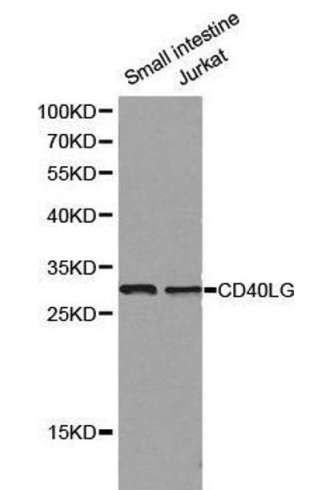


Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CD40L antibody (ABIN3020936, ABIN3020937, ABIN3020938 and ABIN6213807) at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

Immunofluorescence

Image 2. Immunofluorescence analysis of U20S cell using CD40LG antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of small intestine cell and Jurkat cell lysate using CD40LG antibody.