

Datasheet for ABIN2778145
anti-CD40 Ligand antibody (Middle Region)



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3 Images

Overview

Quantity:	100 µL
Target:	CD40 Ligand (CD40LG)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Cow, Sheep, Dog, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD40 Ligand antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CD40LG
Sequence:	ENSFEMQKGD QNPQIAAHVI SEASSKTTSV LQWAEKGYT MSNNLVTLEN
Predicted Reactivity:	Cow: 100%, Dog: 100%, Horse: 100%, Human: 100%, Mouse: 83%, Pig: 100%, Rabbit: 92%, Rat: 85%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against CD40LG. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CD40 Ligand (CD40LG)
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Target Details

Alternative Name:	CD40LG (CD40LG Products)
Background:	CD40LG 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. 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-1375 BC071754.1 1-1375 1376-1599 X67878.1 1349-1572 1600-1834 BC071754.1 1596-1830 Alias Symbols: CD154, CD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39, hCD40L Protein Interaction Partner: UBC, TRAF2, TRAF1, CD40, BIRC3, BIRC2, CRYAB, IGHG1, CD5L, CD40LG, TP53, IGKC, RNF128, HPR, APOA1, Protein Size: 261
Molecular Weight:	29 kDa
Gene ID:	959
NCBI Accession:	NM_000074 , NP_000065
UniProt:	P29965
Pathways:	NF-kappaB Signaling , Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 261 AA
Restrictions:	For Research Use only

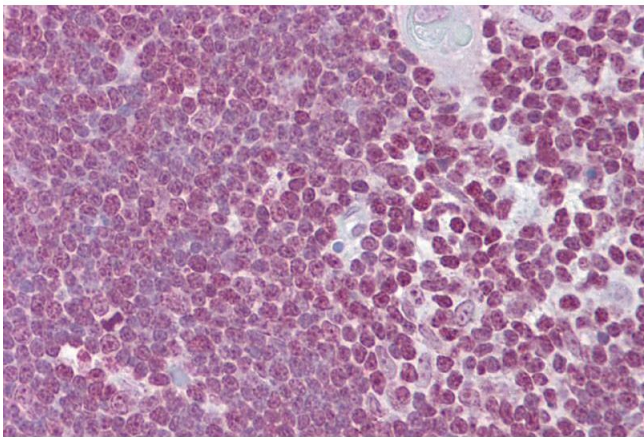
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

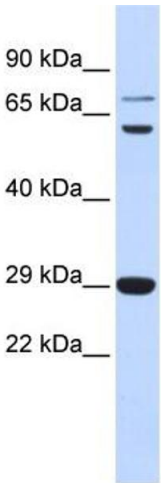
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



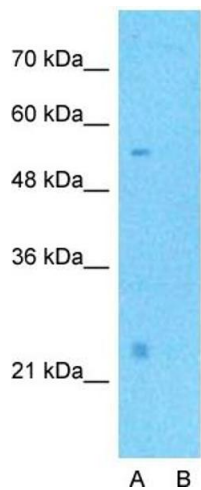
Immunohistochemistry

Image 1. Immunohistochemistry with Thymus tissue at an antibody concentration of 5µg/ml using anti-CD40LG antibody (ARP33831_P050)



Western Blotting

Image 2. WB Suggested Anti-CD40LG Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Muscle



Western Blotting

Image 3. Host: Rabbit Target Name: CD40LG Sample Type: Human Fetal Muscle Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1ug/ml Peptide Concentration: 5ug/ml Lysate Quantity: 25ug/lane/lane Gel Concentration: 0.12