

Anti-CD40L CD40LG Rabbit Monoclonal Antibody
Catalog # ABO13780**Specification****Anti-CD40L CD40LG Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	P29965
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-CD40L CD40LG Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse.

Anti-CD40L CD40LG Rabbit Monoclonal Antibody - Additional Information

Gene ID 959

Other Names

CD40 ligand, CD40-L, T-cell antigen Gp39, TNF-related activation protein, TRAP, Tumor necrosis factor ligand superfamily member 5, CD154, CD40 ligand, membrane form, CD40 ligand, soluble form, sCD40L, CD40LG, CD40L, TNFSF5, TRAP

Calculated MW

29274 MW KDa

Application Details

WB 1:500-1:2000

Subcellular Localization

Cell membrane; Single-pass type II membrane protein.

Tissue Specificity

Specifically expressed on activated CD4+ T- lymphocytes.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human CD40L

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for

up to one month. Avoid repeated
freeze-thaw cycles.

Anti-CD40L CD40LG Rabbit Monoclonal Antibody - Protein Information

Name CD40LG

Synonyms CD40L, TNFSF5, TRAP

Function

Cytokine that acts as a ligand to CD40/TNFRSF5 (PubMed:1280226, PubMed:31331973). Costimulates T-cell proliferation and cytokine production (PubMed:8617933). Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation (PubMed:8617933). Induces the activation of NF-kappa-B (PubMed:15067037, PubMed:31331973). Induces the activation of kinases MAPK8 and PAK2 in T-cells (PubMed:15067037). Induces tyrosine phosphorylation of isoform 3 of CD28 (PubMed:15067037). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4 (By similarity). Involved in immunoglobulin class switching (By similarity).

Cellular Location

Cell membrane; Single-pass type II membrane protein. Cell surface

Tissue Location

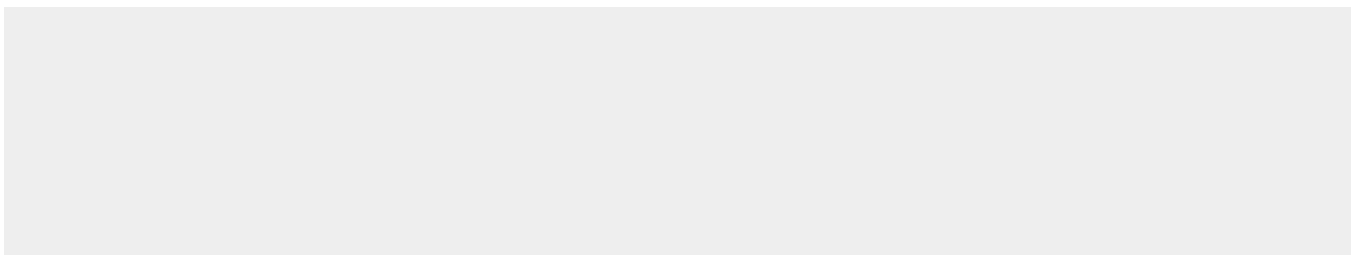
Specifically expressed on activated CD4+ T- lymphocytes

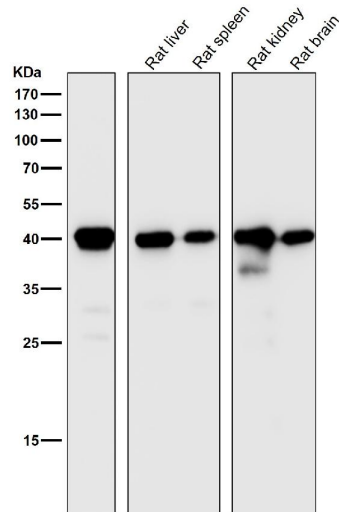
Anti-CD40L CD40LG Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

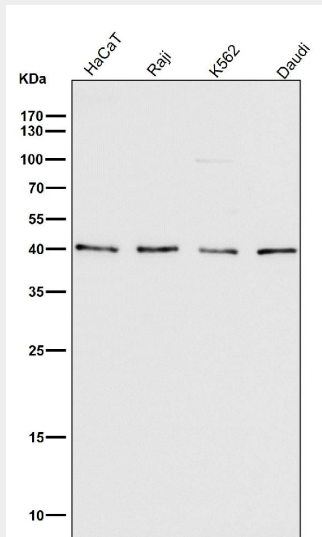
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD40L CD40LG Rabbit Monoclonal Antibody - Images

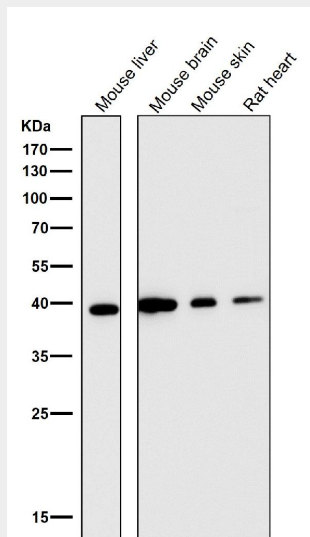




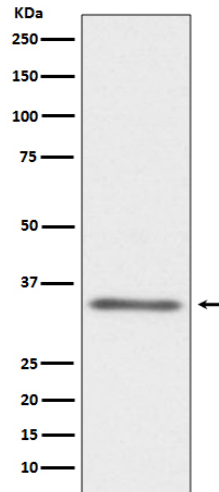
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of CD40L expression in MOLT-4 cell lysate.