

Datasheet for ABIN1105902

anti-CD40 Ligand antibody (N-Term)



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2 Images

Overview

Quantity:	0.1 mg
Target:	CD40 Ligand (CD40LG)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD40 Ligand antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Synthetic peptide corresponding to a sequence at the N-terminal of human CD40L .Remarks: Sequence is different from the relative sequence of mouse by two amino acids.
Isotype:	IgG
Specificity:	This antibody detects CD154 / CD40L at N-term. No cross reactivity with other proteins.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Immunogen affinity purified

Target Details

Target:	CD40 Ligand (CD40LG)
Alternative Name:	CD154 / CD40L (CD40LG Products)

Target Details

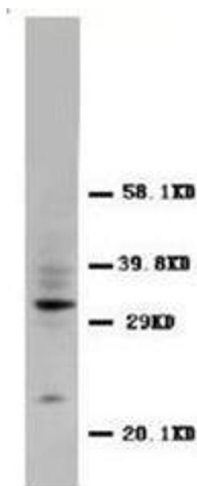
Background:	CD40 ligand(CD40L) is a type II membrane protein of 261 amino acids on activated T cells that induces B cell proliferation and immunoglobulin secretion. It has homology with tumour necrosis factor-alpha and -beta, and has important functions in B-cell activation and differentiation. Human 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.Synonyms: CD40 ligand, CD40-L, CD40LG, GP39, T-cell antigen Gp39, TNF-related activation protein, TNFSF5, TRAP, Tumor necrosis factor ligand superfamily member 5
Gene ID:	959
NCBI Accession:	NP_000065
UniProt:	P29965
Pathways:	NF-kappaB Signaling , Production of Molecular Mediator of Immune Response , Cancer Immune Checkpoints

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

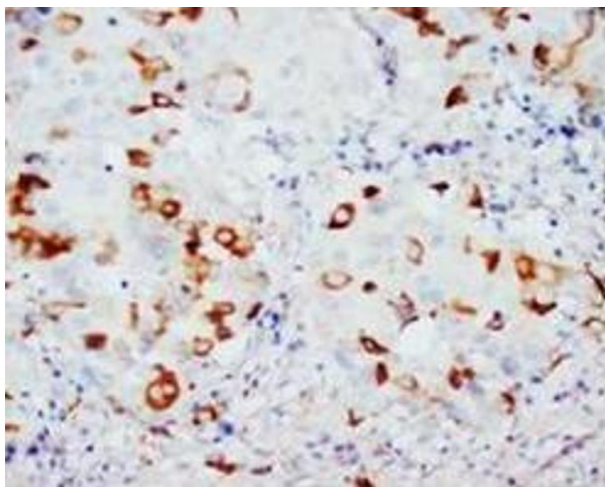
Handling

Reconstitution:	0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Buffer:	50 % glycerol, 0.9 mg NaCl, 0.2 mg Na2HPO4
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of rat tissue sections (spleen) using CD40L antibody



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemical analysis of paraffin embedded Mammary cancer sections staining CD40L in cytoplasm, DAB chromogenic reaction