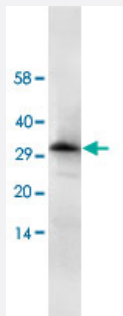


CD40LG polyclonal antibody

Catalog # PAB7962

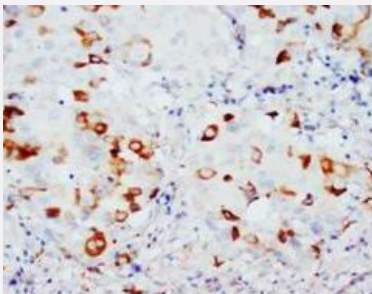
Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of rat spleen tissue lysate. Using CD40LG polyclonal antibody (Cat # PAB7962) .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embbed human mammary cancer section. Staining CD40LG in cytoplasm DBA chromogenic reaction with CD40LG polyclonal antibody (Cat # PAB7962, 1 ug/mL).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CD40LG.
Immunogen	A synthetic peptide corresponding to amino acids at N-terminus of human CD40LG.
Host	Rabbit
Theoretical MW (kDa)	29.3
Reactivity	Human, Mouse, Rat
Form	Lyophilized
Purification	Affinity purification

Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of rat spleen tissue lysate. Using CD40LG polyclonal antibody (Cat # PAB7962) .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embbed human mammary cancer section. Staining CD40LG in cytoplasm DBA chromogenic reaction with CD40LG polyclonal antibody (Cat # PAB7962, 1 ug/mL).

Gene Info — CD40LG

Entrez GeneID	959
Gene Name	CD40LG
Gene Alias	CD154, CD40L, HIGM1, IGM, IMD3, T-BAM, TNFSF5, TRAP, gp39, hCD40L
Gene Description	CD40 ligand
Omim ID	300386 308230
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]

Other Designations

CD40 antigen ligand|OTTHUMP00000024130|T-B cell-activating molecule|TNF-related activation protein|tumor necrosis factor (ligand) superfamily member 5

Publication Reference

- [Preprocedural level of soluble CD40L is predictive of enhanced inflammatory response and restenosis after coronary angioplasty.](#)

Cipollone F, Ferri C, Desideri G, Paloscia L, Materazzo G, Mascellanti M, Fazio M, Iezzi A, Cuccurullo C, Pini B, Bucci M, Santucci A, Cuccurullo F, Mezzetti A.

Circulation 2003 Dec; 108(22):2776.

- [CD40 ligand gene defects responsible for X-linked hyper-IgM syndrome.](#)

Allen RC, Armitage RJ, Conley ME, Rosenblatt H, Jenkins NA, Copeland NG, Bedell MA, Edelhoff S, Disteché CM, Simoneaux DK, et al..

Science 1993 Feb; 259(5097):990.

Application: WB-Tr, Human, 293 cells

Pathway

- [Allograft rejection](#)
- [Asthma](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Cytokine-cytokine receptor interaction](#)
- [Primary immunodeficiency](#)
- [Systemic lupus erythematosus](#)
- [T cell receptor signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Arthritis](#)

- [Asthma](#)
- [Atherosclerosis](#)
- [Bronchiolitis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Stenosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Drug Eruptions](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Immunologic Deficiency Syndromes](#)
- [Infant](#)
- [Lupus Erythematosus](#)
- [Malaria](#)
- [Metabolic Syndrome X](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pemphigus](#)

- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Severe Combined Immunodeficiency](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Werner syndrome](#)