

产品名称: CD40 Rabbit Polyclonal Antibody
产品货号: APRab08391



产品概述 (Summary)

产品名称 (Production Name)	CD40 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CD40
别名 (Alternative Names)	CD40; TNFRSF5; Tumor necrosis factor receptor superfamily member 5; B-cell surface antigen CD40; Bp50; CD40L receptor; CDw40; CD antigen CD40
基因 ID (Gene ID)	958.0
蛋白 ID (SwissProt ID)	P25942.The antiserum was produced against synthesized peptide derived from human CD40. AA range:228-277

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	30kDa

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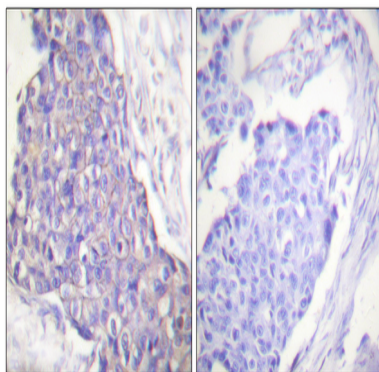
研究背景 (Background)

This gene is a member of the TNF-receptor superfamily. The encoded protein is a receptor on antigen-presenting cells of the immune system and is essential for mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is reported to coordinately regulate the expression of this receptor and its ligand, which may be important for homotypic cell interactions. Adaptor protein TNFR2 interacts with this receptor and serves as a mediator of the signal transduction. The interaction of this receptor and its ligand is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis. Mutations affecting this gene are the cause of autosomal recessive hyper-IgM immunodeficiency type 3 (HIGM3) [MIM:606843]. HIGM3 is an autosomal recessive disorder which includes an inability of B cells to undergo isotype switching, one of the final differentiation steps in the humoral immune system, an inability to mount an antibody-specific immune response, and a lack of germinal center formation. **function:** Receptor for TNFSF5/CD40LG. **online information:** CD40 entry, online information: CD40 mutation db, **similarity:** Contains 4 TNFR-Cys repeats. **subunit:** Monomer and homodimer. The variant form found in the bladder carcinoma cell line Hu549 does not form homodimers. Interacts with TRAF1, TRAF2, TRAF3, TRAF5 and TRAF6. **tissue specificity:** B-cells and in primary carcinomas.

研究领域 (Research Area)

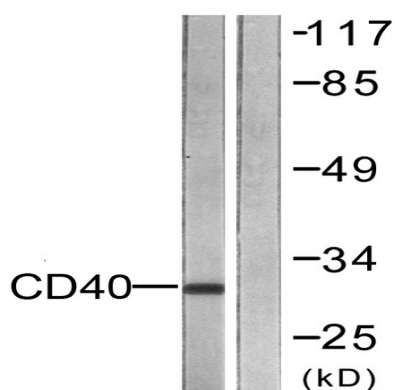
Cytokine-cytokine receptor interaction; Cell adhesion molecules (CAMs); Toll-Like; Intestinal immune network for IgA production; Asthma; Autoimmune thyroid disease; Systemic lupus erythematosus; Allograft rejection; Primary immunodeficiency; Viral myocarditis;

图片 (Image Data)

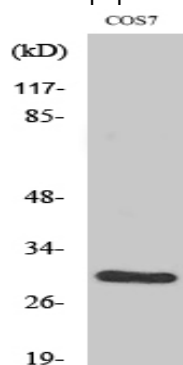


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using CD40 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COS7 cells, using CD40 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using CD40 Polyclonal Antibody

注意事项 (Note)

For research use only .