

Anti-CD40/TNFRSF5 Antibody

Catalog # ABO10516

Product Information

Application	WB
Primary Accession	P25942
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 5(CD40) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	958
Other Names	Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, Bp50, CD40L receptor, CDw40, CD40, CD40, TNFRSF5
Calculated MW	30619
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Isoform I: Cell membrane; Single-pass type I membrane protein.
Tissue Specificity	B-cells and in primary carcinomas.
Source	Eukaryota
Protein Name	Tumor necrosis factor receptor superfamily member 5
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CD40(20-37aa, PEPPTACREKQYLINSQC).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Contains 4 TNFR-Cys repeats.

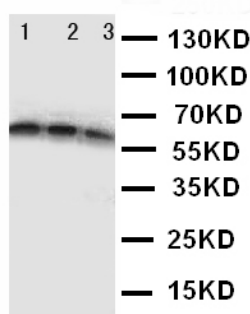
Protein Information

Name	CD40
Synonyms	TNFRSF5
Function	Receptor for TNFSF5/CD40LG (PubMed: 31331973). Transduces TRAF6- and MAP3K8-mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion (By similarity).
Cellular Location	[Isoform I]: Cell membrane; Single-pass type I membrane protein
Tissue Location	B-cells and in primary carcinomas.

Background

CD40 is a cell surface receptor that is expressed on the surface of all mature B cells and also expressed on monocytes, dendritic cells, and thymic epithelium. CD40 is a member of the tumor necrosis factor(TNF) receptor superfamily and is the receptor for CD40 ligand. CD40 ligand(CD40L, CD154, gp39, and TRAM) belongs to the TNF gene family and is expressed more widely than CD40 predominantly on activated CD4+ T cells. Activation of CD40 has also been shown to inhibit the growth of certain B cell lymphomas and to induce the death of transformed cells of mesenchymal or epithelial origin.

Images



Anti-CD40 antibody, ABO10516, Western blotting
Lane 1:
Recombinant Human CD40 Protein 10ng
Lane 2:
Recombinant Human CD40 Protein 5ng
Lane 3:
Recombinant Human CD40 Protein 2.5ng

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.