

Datasheet for ABIN3043683
anti-CD40 antibody (N-Term)



[Go to Product page](#)

2 Images

2 Publications

Overview

Quantity:	100 µg
Target:	CD40
Binding Specificity:	AA 22-36, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD40 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 5(CD40) detection. Tested with WB in Mouse.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of mouse CD40(22-36aa, QCVTCSDKQYLHDGQ).
Sequence:	QCVTCSDKQY LHDGQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 5(CD40) detection. Tested with WB in Mouse.</p> <p>Gene Name: CD40 Molecule, TNF receptor superfamily member 5</p> <p>Protein Name: Tumor necrosis factor receptor superfamily member 5</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: CD40

Alternative Name: CD40 ([CD40 Products](#))

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.

Synonyms: A1326936 antibody|B cell associated molecule CD40 antibody|B cell surface antigen CD40 antibody|B cell-associated molecule antibody|B-cell surface antigen CD40 antibody|Bp50 antibody|CD 40 antibody|CD40 antibody|CD40 antigen(TNF receptor superfamily member 5) antibody|CD40 antigen antibody|CD40 Molecule antibody|CD40 Molecule, TNF receptor superfamily member 5 antibody|CD40 protein antibody|CD40 type II isoform antibody|CD40L receptor antibody|CDw40 antibody|GP39 antibody|HIGM1 antibody|IGM antibody|IMD3 antibody|MGC9013 antibody|Nerve growth factor receptor related B lymphocyte activation molecule antibody|OTTHUMP00000031699 antibody|OTTHUMP00000031700 antibody|p50 antibody|T-BAM antibody|TBAM antibody|TNF receptor superfamily member 5 antibody|TNFRSF5 antibody|TNR5_HUMAN antibody|TRAP antibody|Tumor necrosis factor receptor superfamily , member 5 antibody|Tumor necrosis factor receptor superfamily member 5 antibody|Tumor necrosis factor receptor superfamily member 5 precursor antibody|Tumor necrosis factor receptor superfamily, member 5, isoform CRA_a antibody

UniProt: [P27512](#)

Pathways: [NF-kappaB Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [M Phase](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Cancer Immune Checkpoints](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse

Application Details

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.

Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: 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.

Expiry Date: 12 months

Publications

Product cited in: Meng, Li, Geng, Ohe, Yu, E, Ye, Yang, Kato, Zhang, Ishida, Ohta, Jin, Kakehata, Geng, Yamakawa: "Decreased expression of follicular dendritic cell-secreted protein correlates with increased immunoglobulin A production in the tonsils of individuals with immunoglobulin A nephropathy." in: **Translational research : the journal of laboratory and clinical medicine**, Vol. 166, Issue 3, pp. 281-91, (2015) ([PubMed](#)).

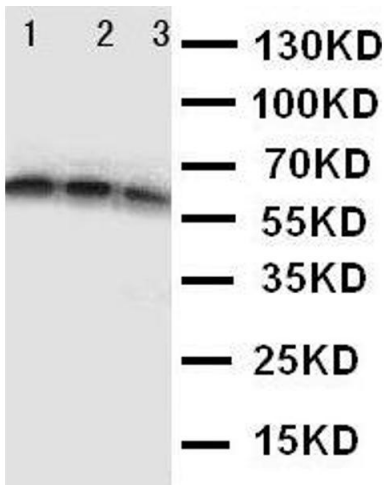
Peng, Cheng, Zeng, Shi, Bao, Mao, Ji, Li, Guo, Liang, Wu: "The role of RANTES as a crucial downstream cytokine in calcineurin-dependent VSMC apoptosis stimulated by INFgamma and

Images



Western Blotting

Image 1. Anti-CD40 antibody, Western blotting Lane 1: Recombinant Mouse CD 40 Protein 10ng Lane 2: Recombinant Mouse CD 40 Protein 5ng Lane 3: Recombinant Mouse CD 40 Protein 2.5ng



Western Blotting

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