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Anti-CD40/TNFRSF5 Picoband Antibody

Catalog # ABO11670

Specification

Anti-CD40/TNFRSF5 Picoband Antibody - Product Information

Application	**WB, IHC-P, IHC-F, FC, ICC, E**
Primary Accession	P27512
Host	**Rabbit**
Reactivity	**Human, Mouse**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 5(CD40) detection. Tested with WB, IHC-P, IHC-F, ICC, ELISA, FCM in Human;Mouse.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CD40/TNFRSF5 Picoband Antibody - Additional Information

Gene ID 21939

Other Names
Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, Bp50, CD40L receptor, CD40, Cd40, Tnfrsf5

Calculated MW
32093 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, By Heat
Immunohistochemistry(Frozen Section), 0.5-1 µg/ml

 Immunocytochemistry, 0.5-1 µg/ml

ELISA , 0.1-0.5 µg/ml
Western blot, 0.1-0.5 µg/ml
Flow Cytometry, 1-3Î¼g/1x106 cells

Subcellular Localization
Isoform I: Cell membrane; Single-pass type I membrane protein.

Protein Name
Tumor necrosis factor receptor superfamily member 5

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
E. coli-derived mouse CD40/TNFRSF5 recombinant protein (Position: L20-R193). Mouse CD40/TNFRSF5 shares 60.7% amino acid (aa) sequence identity with human CD40/TNFRSF5.

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, 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.**

Anti-CD40/TNFRSF5 Picoband Antibody - Protein Information

Name Cd40

Synonyms Tnfrsf5

Function
Receptor for TNFSF5/CD40LG (By similarity). Transduces TRAF6- and MAP3K8-mediated signals that activate ERK in macrophages and B cells, leading to induction of immunoglobulin secretion (PubMed:12881420).

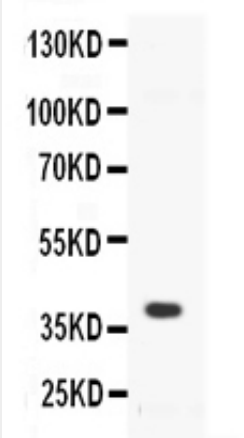
Cellular Location
[Isoform I]: Cell membrane; Single-pass type I membrane protein [Isoform IV]: Cell membrane; Single-pass type I membrane protein [Isoform II]: Secreted.

Anti-CD40/TNFRSF5 Picoband Antibody - Protocols

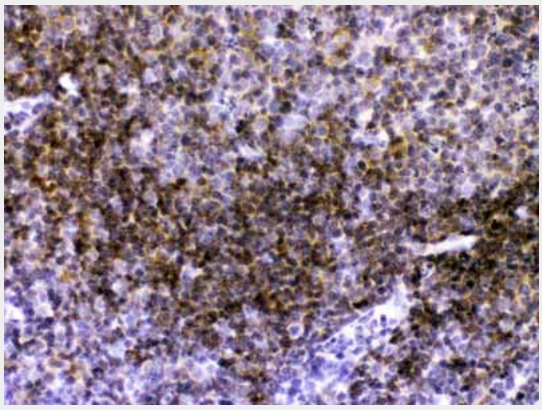
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD40/TNFRSF5 Picoband Antibody - Images



Western blot analysis of CD40/TNFRSF5 expression in mouse spleen extract (lane 1). CD40/TNFRSF5 at 40KD was detected using rabbit anti- CD40/TNFRSF5 Antigen Affinity purified polyclonal antibody (Catalog # ABO11670) at 0.5 Î¼g/mL. The blot was developed using chemiluminescence (ECL) method .



CD40/TNFRSF5 was detected in paraffin-embedded sections of mouse lymphaden tissues using rabbit anti- CD40/TNFRSF5 Antigen Affinity purified polyclonal antibody (Catalog # ABO11670) at 1 ??g/mL. The immunohistochemical section was developed using SABC method .

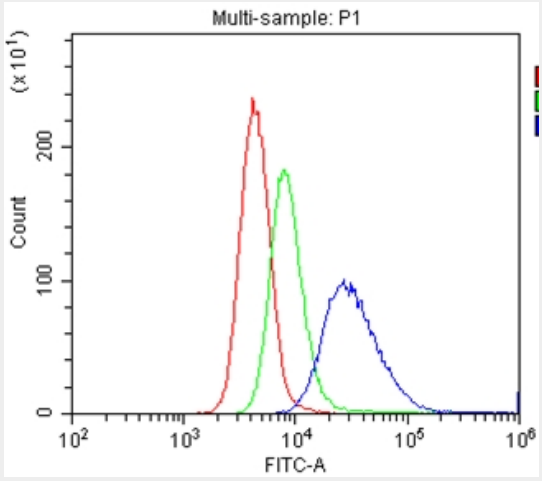


Figure 3. Flow Cytometry analysis of U937 cells using anti-CD40/TNFRSF5 antibody (ABO11670).Overlay histogram showing U937 cells stained with ABO11670 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD40/TNFRSF5 Antibody (ABO11670,1Î¼g/1x106 cells) for 30 min at 20Â°C. DyLight?488 conjugated goat anti-rabbit IgG (BA1127, 5-10Î¼g/1x106 cells) was used as secondary antibody for 30 minutes at

20Â°C. Isotype control antibody (Green line) was rabbit IgG (1Î¼g/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

Anti-CD40/TNFRSF5 Picoband Antibody - Background

Carbonic anhydrase III (CA3) is an enzyme that in humans is encoded by the CA3 gene. CA3 is a member of a multigene family (at least six separate genes are known) that encode carbonic anhydrase isozymes. The gene spans 10.3 kb and contains seven exons and six introns. Using a cDNA clone of the CA3 gene in the study of human-rodent hybrids, the gene was mapped to chromosome 8 which carries a cluster of CA genes. The expression of the CA3 gene is strictly tissue specific and present at high levels in skeletal muscle and much lower levels in cardiac and smooth muscle. A proportion of carriers of Duchenne muscle dystrophy have a higher CA3 level than normal.