

Datasheet for 600-401-P53**CD40 Antibody****Overview**

Description:	Anti-CD40 (RABBIT) Antibody - 600-401-P53
Item No.:	600-401-P53
Size:	100 µg
Applications:	WB
Reactivity:	Mouse
Host Species:	Rabbit

Product Details

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. This antibody is suitable for researchers interested in cancer research.
Synonyms:	B-cell surface antigen CD40,Bp50,CD40L receptor, CD40
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Cd40
Reactivity:	Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	CD40 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a sequence at the N-terminal of mouse CD40.

Purity/Specificity: Anti-CD40 antibody is directed against mouse CD40 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from mouse based on 100% homology for the immunogen sequence. Cross reactivity with CD40 from other sources has not been determined.

Relevant Links:

- [UniProtKB - P27512](#)
- [GeneID - 21939](#)
- [NCBI - NP_035741.2](#)

Application Details

Tested Applications: WB

Application Note: Anti-CD40 is tested for Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~32.1 kDa corresponding to the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

WB: 0.5µg/mL

Formulation

Physical State: Lyophilized

Concentration: 0.5 mg/mL by UV absorbance at 280 nm

Buffer: 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃

Preservative: 0.05mg Thimerosal

Stabilizer: 5mg BSA

Reconstitution Volume: 200µL

Reconstitution Buffer: Restore with deionized water (or equivalent)

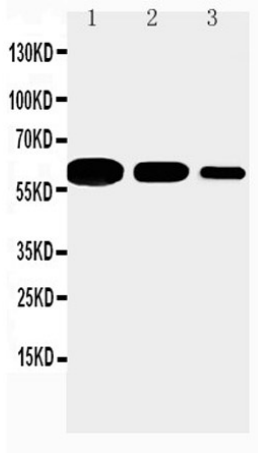
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. After reconstitution, at 4°C for one month. Aliquot and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blotting results of Anti-CD40 antibody.

Lysate/Load: 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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.