

# CD40 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP17871b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P25942</a>
<b>Other Accession</b>	<a href="#">Q8SQ34</a> , <a href="#">P27512</a> , <a href="#">NP_001241.1</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse, Pig
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB21158
<b>Antigen Region</b>	247-276

## Additional Information

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<b>Other Names</b>	Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, Bp50, CD40L receptor, CDw40, CD40, CD40, TNFRSF5
<b>Target/Specificity</b>	This CD40 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 247-276 amino acids from the C-terminal region of human CD40.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	CD40 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been found to be essential in 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. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

## References

Rodriguez-Rodriguez, L., et al. *J. Rheumatol.* 37(10):2076-2080(2010)

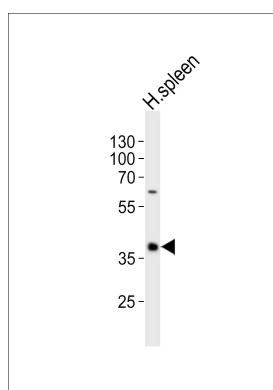
Lewis, J.P., et al. *Genomics* 96(4):211-219(2010)

Bailey, S.D., et al. *Diabetes Care* 33(10):2250-2253(2010)

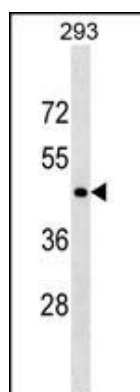
Blanco-Kelly, F., et al. *PLoS ONE* 5 (7), E11520 (2010) :

Soliman, M.A., et al. *Egypt J Immunol* 16(1):61-70(2009)

## Images



Western blot analysis of lysate from human spleen tissue lysate, using CD40 Antibody (C-term)(Cat. #AP17871B). AP17871B was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.



CD40 Antibody (C-term) (Cat. #AP17871b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the CD40 antibody detected the CD40 protein (arrow).

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