

For Research Use Only

CD40 Polyclonal antibody

Catalog Number: 28158-1-AP **3 Publications**



Basic Information

Catalog Number: 28158-1-AP	GenBank Accession Number: BC012419	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 958	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: CD40 molecule, TNF receptor superfamily member 5	
Isotype: IgG	Calculated MW: 277 aa, 31 kDa	
Immunogen Catalog Number: AG28033	Observed MW: 40-45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Daudi cells, Ramos cells
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human	

Background Information

CD40, also named as TNFRSF5 and Bp50, is a receptor for TNFSF5/CD40LG. It is a member of the TNFR superfamily and is responsible for the efficient activation of cell-mediated and humoral immune responses via activated T cells and B cells respectively. Defects in CD40 lead to hyper-IgM immunodeficiency syndrome type 3 (HIGM3) (PMID: 11675497). This is an autosomal recessive disorder that includes the inability of B cells to undergo isotype switching, a key step in the final differentiation of the humoral immune response, and an inability to mount an antibody-specific immune response.

Notable Publications

Author	Pubmed ID	Journal	Application
Xueting Zhang	34678319	Toxicology	WB
Yaojun Peng	34184409	FEBS Open Bio	WB
Wenmin Song	33381228	Cardiovasc Ther	WB

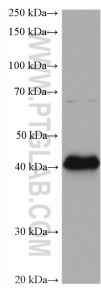
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Daudi cells were subjected to SDS PAGE followed by western blot with 28158-1-AP (CD40 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.