

For Research Use Only

CD40 Polyclonal antibody

Catalog Number: 28158-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 28158-1-AP	GenBank Accession Number: BC012419	Purification Method: Antigen affinity purification
Size: 500 ug/ml	GeneID (NCBI): 958	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	ENSEMBL Gene ID: ENSG00000101017	IHC 1:1000-1:4000
Isotype: IgG	UNIPROT ID: P25942	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG28033	Full Name: CD40 molecule, TNF receptor superfamily member 5	
	Calculated MW: 277 aa, 31 kDa	
	Observed MW: 40-45 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : Daudi cells, Raji cells, Ramos cells
Cited Applications: WB, IHC	IHC : human tonsillitis tissue,
Species Specificity: human	IF/ICC : Daudi cells,
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

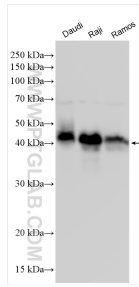
Storage

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

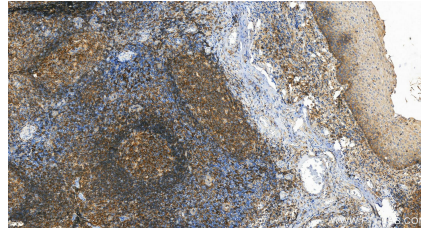
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

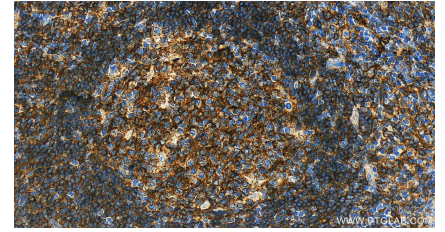
Selected Validation Data



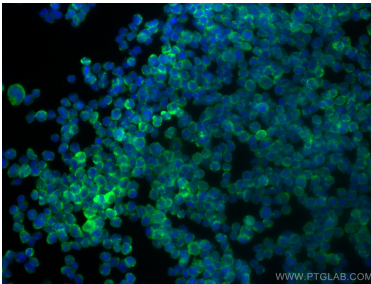
Various lysates were subjected to SDS PAGE followed by western blot with 28158-1-AP (CD40 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28158-1-AP (CD40 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 28158-1-AP (CD40 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Daudi cells using CD40 antibody (28158-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).