

For Research Use Only

CD40 Polyclonal antibody

Catalog Number: 28158-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

28158-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28033

GenBank Accession Number:

BC012419

GeneID (NCBI):

958

ENSEMBL Gene ID:

ENSG00000101017

UNIPROT ID:

P25942

Full Name:

CD40 molecule, TNF receptor superfamily member 5

Calculated MW:

277 aa, 31 kDa

Observed MW:

40-45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB: Daudi cells, Raji cells, Ramos cells

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:

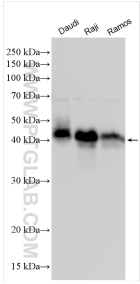
T: 4006900926

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.