

Product Name: CD28 (phospho Tyr218) Rabbit Polyclonal Antibody
Catalog #: APRab04397

Summary

Production Name	CD28 (phospho Tyr218) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CD28
Alternative Names	CD28; T-cell-specific surface glycoprotein CD28; TP44; CD antigen CD28
Gene ID	940.0
SwissProt ID	P10747.The antiserum was produced against synthesized peptide derived from human CD28 around the phosphorylation site of Tyr218. AA range:171-220

Application

Dilution Ratio	WB 1:500-1:2000, ELISA 1:40000.Not yet tested in other applications.
Molecular Weight	45kDa

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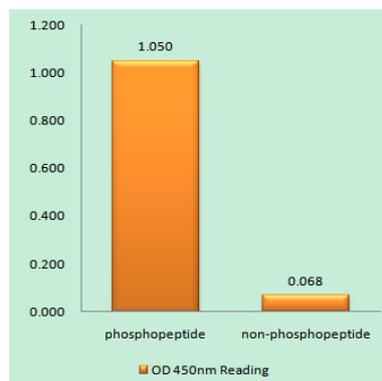
Background

The protein encoded by this gene is essential for T-cell proliferation and survival, cytokine production, and T-helper type-2 development. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011],function:Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival.,online information:CD28 entry,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Homodimer; disulfide-linked. Interacts with DUSP14. Binds to CD80/B7-1 and CD86/B7-2/B70.,tissue specificity:Expressed in T-cells and plasma cells, but not in less mature B-cells.,

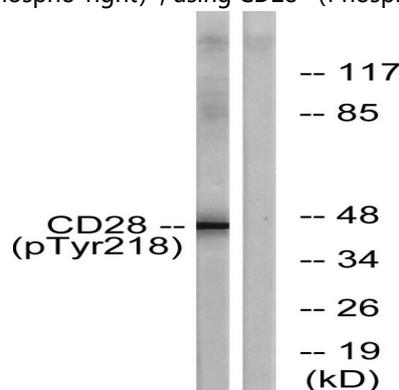
Research Area

Cell adhesion molecules (CAMs);T_Cell_Receptor;Intestinal immune network for IgA production;Type I diabetes mellitus;Autoimmune thyroid disease;Systemic lupus erythematosus;Allograft rejection;Graft-versus-host disease;Viral myocarditis;

Image Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using CD28 (Phospho-Tyr218) Antibody



Western blot analysis of lysates from HepG2 cells treated with nocodazole 1ug/ml 16h, using CD28 (Phospho-Tyr218) Antibody. The lane on the right is blocked with the phospho peptide.

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Note

For research use only.