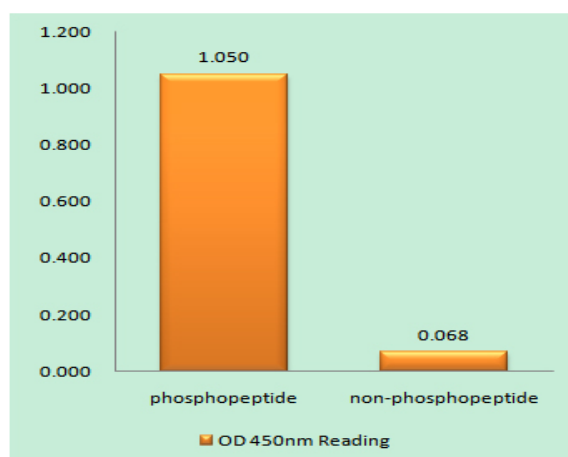


CD28 (phospho Tyr218) Polyclonal Antibody

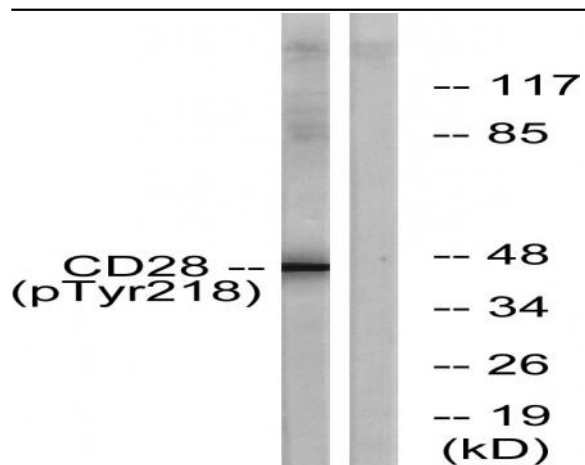
Catalog No :	YP0348
Reactivity :	Human
Applications :	WB;ELISA
Target :	CD28
Fields :	>>Cell adhesion molecules;>>T cell receptor signaling pathway;>>Intestinal immune network for IgA production;>>Type I diabetes mellitus;>>Measles;>>PD-L1 expression and PD-1 checkpoint pathway in cancer;>>Autoimmune thyroid disease;>>Systemic lupus erythematosus;>>Rheumatoid arthritis;>>Allograft rejection;>>Graft-versus-host disease;>>Viral myocarditis
Gene Name :	CD28
Protein Name :	T-cell-specific surface glycoprotein CD28
Human Gene Id :	940
Human Swiss Prot No :	P10747
Mouse Gene Id :	12487
Mouse Swiss Prot No :	P31041
Immunogen :	The antiserum was produced against synthesized peptide derived from human CD28 around the phosphorylation site of Tyr218. AA range:171-220
Specificity :	Phospho-CD28 (Y218) Polyclonal Antibody detects endogenous levels of CD28 protein only when phosphorylated at Y218.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	45kD
Cell Pathway :	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-v
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 :	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.,
Subcellular Location :	Membrane; Single-pass type I membrane protein.; [Isoform 3]: Cell surface .
Expression :	Expressed in T-cells and plasma cells, but not in less mature B-cells.

Products Images



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.