

Rabbit CD28 Polyclonal Antibody | anti-CD28 antibody

Phospho-CD28 (Tyr218) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327650	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

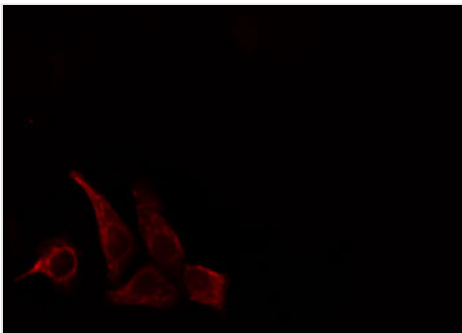
PRODUCT SYNONYMS

CD28; Polyclonal Antibody; Phospho-CD28 (Tyr218) Antibody; CD 28; CD28 antigen; CD28 molecule; CD28_HUMAN; MGC138290; T cell antigen CD28; T cell specific surface glycoprotein; T cell specific surface glycoprotein CD28; T-cell-specific surface glycoprotein CD28; TP44; anti-CD28 antibody

PRODUCT SPECIFICATIONS

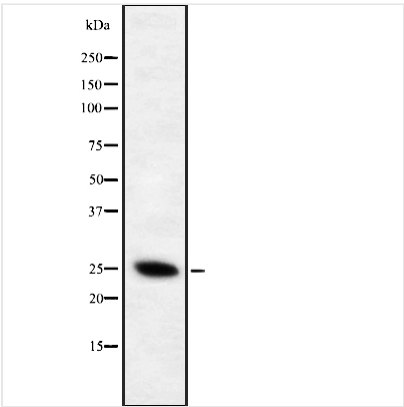
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-CD28 (Tyr218) antibody detects endogenous levels of CD28 only when phosphorylated at Tyr218
Purity/Purification	From purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	123
Applicable Applications for anti-CD28 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Phospho-CD28 (Tyr218)
Subcellular Location	Membrane.
Tissue Specificity	Expressed in T-cells and plasma cells, but not in less mature B-cells.
Conjugation	Unconjugated
Epitope	Phospho Tyr218
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA327650 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of Phospho-CD28 (Tyr218) using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CD28 antibody	Function: Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival. Enhances the production of IL4 and IL10 in T-cells in conjunction with TCR/CD3 ligation and CD40L costimulation (PubMed:8617933). Isoform 3 enhances CD40L-mediated activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (PubMed:15067037). Subunit Structure: Homodimer; disulfide-linked. Interacts with DUSP14. Binds to CD80/B7-1 and CD86/B7-2/B70. Interacts with GRB2. Isoform 3 interacts with CD40LG (PubMed:15067037). Post-translational Modifications: CD40LG induces tyrosine phosphorylation of isoform 3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	340545508
NCBI GeneID	940
NCBI Accession #	NP_001230006.1
NCBI GenBank Nucleotide #	NM_001243077.1
UniProt Accession #	P10747; Q13964; Q52M23; Q70WG0; Q8NI54; Q8NI55; Q8NI56; Q8WXJ2; Q9BYV0; A8KAC1
Molecular Weight	Observed: 25 kDa Predicted: 26 kDa
NCBI Official Full Name	T-cell-specific surface glycoprotein CD28 isoform 2
NCBI Official Synonym Full Names	CD28 molecule
NCBI Official Symbol	CD28
NCBI Official Synonym Symbols	Tp44
NCBI Protein Information	T-cell-specific surface glycoprotein CD28
UniProt Protein Name	T-cell-specific surface glycoprotein CD28
UniProt Gene Name	CD28

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.