

## CD28 (Phospho Tyr218) Rabbit pAb

CatalogNo: YP0348 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human

#### Applications

- WB,ELISA

#### MW

- 45kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:40000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**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. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):AAyRS

## Target Information

**Gene name** CD28

**Protein Name** T-cell-specific surface glycoprotein CD28

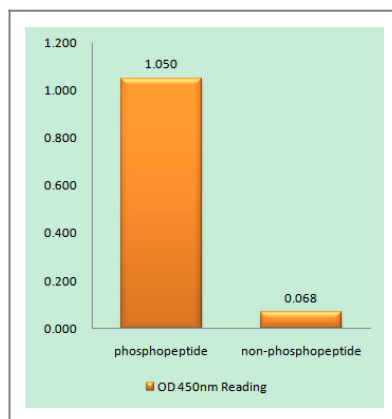
Organism	Gene ID	UniProt ID
Human	<a href="#">940</a> ;	<a href="#">P10747</a> ;
Mouse	<a href="#">12487</a> ;	<a href="#">P31041</a> ;

**Cellular Localization** Membrane; Single-pass type I membrane protein.; [Isoform 3]: Cell surface .

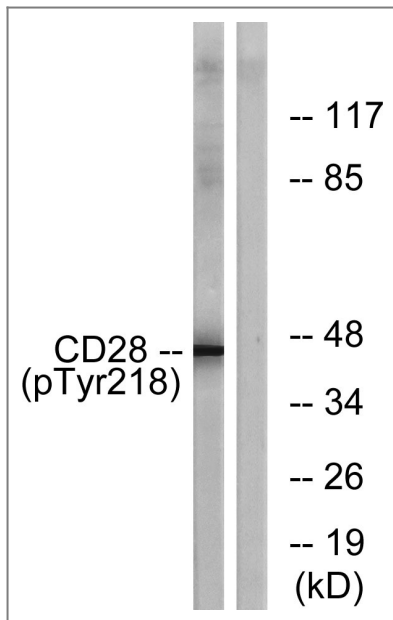
**Tissue specificity** Expressed in T-cells and plasma cells , but not in less mature B-cells.

**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. ,

## Validation 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.

## Contact information

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**CD28 (Phospho Tyr218) Rabbit pAb**

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