

## CD45 (Phospho-Y1216) polyclonal antibody

Catalog: BS64566

Host: Rabbit

Reactivity: Human,Mouse,Rat

### BackGround:

The protein phosphatase (PTP) receptor CD45 is a type I transmembrane protein comprised of a pair of intracellular tyrosine phosphatase domains and a variable extracellular domain generated by alternative splicing. The catalytic activity of CD45 is a function of the first phosphatase domain (D1) while the second phosphatase domain (D2) may interact with and stabilize the first domain, or recruit/bind substrates. CD45 interacts directly with antigen receptor complex proteins or activates Src family kinases involved in the regulation of T- and B-cell antigen receptor signaling. Specifically, CD45 dephosphorylates Src-family kinases Lck and Fyn at their conserved negative regulatory carboxy-terminal tyrosine residues and upregulates kinase activity.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 180 kDa

### Swiss-Prot:

P08575

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1:500~1:1000

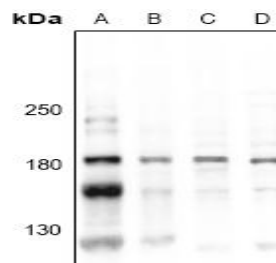
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CD45 (Phospho-Y1216) polyclonal antibody detects endogenous levels of CD45 protein only when phosphorylated at Tyr1216.

### DATA:



Western blot (WB) analysis of CD45 (Phospho-Y1216) polyclonal antibody at 1:500 dilution

LaneA:HEK293T whole cell lysate

LaneB:MCF-7 whole cell lysate

LaneC:PC12 whole cell lysate

LaneD:AML-12 whole cell lysate

### Note:

For research use only, not for use in diagnostic procedure.

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