

CD3 ζ (phospho-Y142) polyclonal antibody

Catalog: BS4304

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Probable role in assembly and expression of the TCR complex as well as signal transduction upon antigen triggering. The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. CD3-zeta forms either homodimers or heterodimers with CD3-eta. Interacts with SLA and SLA2. Interacts with DOCK2 and TRAT1. Interacts with HIV-1; this interaction up-regulates the expression of the Fas ligand (FASLG) at the cell surface. Interacts with HIV-2 Nef protein; this interaction induces down-regulation of cell surface TCR/CD3 complexes.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 20 kDa

Swiss-Prot:

P20963

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

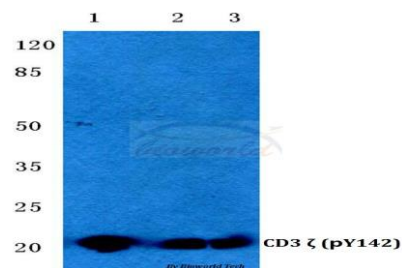
Storage&Stability:

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

Specificity:

p-CD3 ζ (Y142) polyclonal antibody detects endogenous levels of CD3 ζ protein only when phosphorylated at Tyr142

DATA:



Western blot (WB) analysis of p-CD3 ζ (Y142) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate treated with PMA(100nM,15mins)

Lane2:Mouse spleen tissue lysate

Lane3:Rat liver tissue lysate

Note:

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

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