

ZAP70 (T286) polyclonal antibody

Catalog: BCP01732

Host: Rabbit

Reactivity: Human,Rat

BackGround:

The activation of T lymphocytes by antigens is mediated by the T cell receptor (TCR), which is a multisubunit complex assembled from at least six different genes . The TCR subunits include the α and β chains, the CD3 γ , δ and ϵ chains and a ζ -containing homodimer or heterodimer . The protein tyrosine kinase ZAP-70 binds to the phosphorylated immunoreceptor tyrosine-base activation motifs (ITAMs) of the TCR ζ chain through two src-homology (SH2) domains . This binding results in the phosphorylation of ZAP-70 on multiple tyrosine residues, including Tyr292 and Tyr319 . ZAP-70 is autophosphorylated on Tyr292, which is thought to negatively regulate ZAP-70 function in lymphocytes . Alternatively, ZAP-70 is positively regulated by phosphorylation on Tyr319, which mediates the SH2-dependent interaction between Lck and ZAP-70 .

Product:

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

Molecular Weight:

~ 70 kDa

Swiss-Prot:

P43403

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

IHC: 1:50~1:200

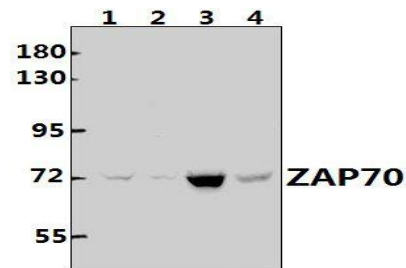
Storage&Stability:

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

Specificity:

ZAP-70 (T286) polyclonal antibody detects endogenous levels of ZAP-70 protein.

DATA:



Western blot (WB) analysis of ZAP70 (T286) at 1:500 dilution

Lane1:THP-1 whole cell lysate(40ug)

Lane2:Myla2059 whole cell lysate(40ug)

Lane3:HuT78 whole cell lysate(40ug)

Lane4:The Thymus tissue lysate of Rat(40ug)

Note:

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