

Phospho-ZAP70-Y493 polyclonal antibody

Catalog: BS79376

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene.

Product:

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

Molecular Weight:

70KDa

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:

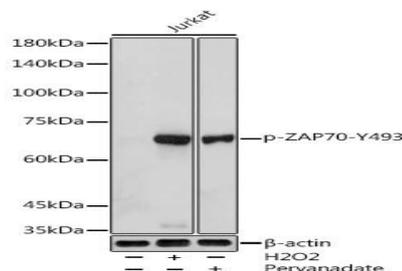
WB, 1:2000 - 1:5000 | IHC, 1:50 - 1:100 | IF/ICC, 1:50 - 1:200

Storage&Stability:

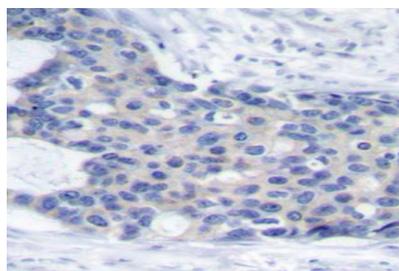
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

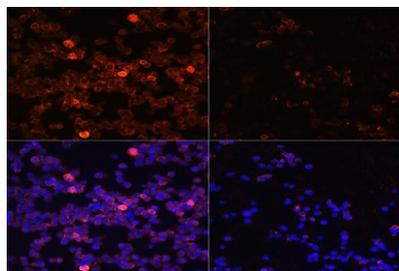
Phosphorylated

DATA:

Western blot analysis of extracts of Jurkat cells, using Phospho-ZAP70-Y493 antibody at 1:1000 dilution. Jurkat cells were treated by Hydrogen Peroxide at 37 °C for 2 minutes after serum-starvation overnight. Jurkat cells were treated by Pervanadate at 37 °C for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



Immunohistochemistry of paraffin-embedded human breast carcinoma tissue, using Phospho-ZAP70-Y493 antibody. Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of Jurkat cells using Phospho-ZAP70-Y493 Rabbit pAb at dilution of 1:100. Jurkat cells were treated by Hydrogen Peroxide at 37 °C for 2 minutes after se-

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

rum-starvation overnight. Blue: DAPI for nuclear staining.

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

Note:

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