

Datasheet for ABIN7265210  
**anti-ZAP70 antibody (pTyr493)**



[Go to Product page](#)

2 Images

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 200 µL  |
| Target:              | ZAP70   |
| Binding Specificity: | pTyr493   |
| Reactivity:          | Human, Mouse, Rat                                 |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This ZAP70 antibody is un-conjugated              |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

|                  |  |
|------------------|--|
| Immunogen:       | A phospho specific peptide corresponding to residues surrounding Y493 of human ZAP70 |
| Isotype:         | IgG  |
| Characteristics: | Phosphorylated antibody  |
| Purification:    | Affinity purification  |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | ZAP70   |
| Alternative Name: | ZAP70 ( <a href="#">ZAP70 Products</a> )  |
| 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 |

## Target Details

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.

Molecular Weight: Observed\_MW: 70 kDa  
Calculated\_MW: 35 kDa/55 kDa/69 kDa

Gene ID: 7535

UniProt: [P43403](#)

Pathways: [TCR Signaling, Ubiquitin Proteasome Pathway](#)

## Application Details

Application Notes: WB 1:2000-1:5000 IHC 1:50-1:100

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

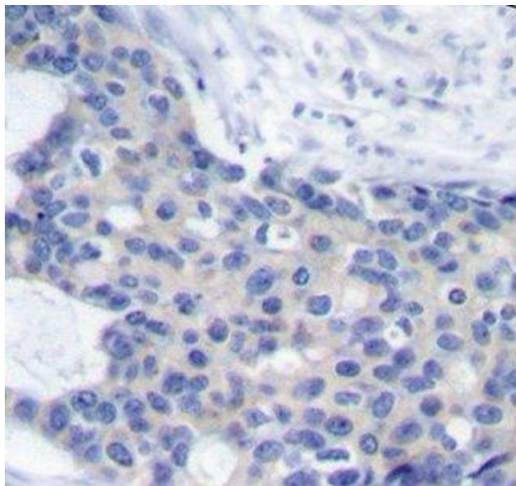
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

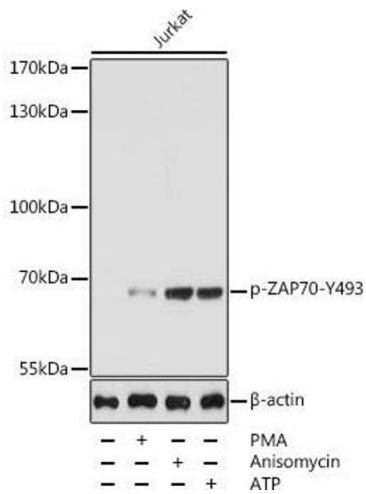
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Human breast carcinoma tissue, using Phospho-ZAP70(Y493) Polyclonal Antibody



Western Blotting

**Image 2.** Western blot analysis of extracts of Jurkat cells using Phospho-ZAP70(Y493) Polyclonal Antibody at dilution of 1:5000.