

Rabbit ZAP70-Y493 Antibody | anti-ZAP70 antibody

Phospho-ZAP70-Y493 Polyclonal Antibody

CATALOG # AAA37399	HOST Rabbit	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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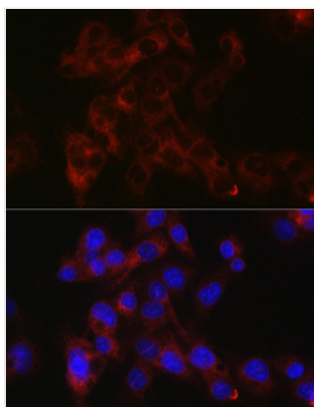
PRODUCT SYNONYMS

ZAP70-Y493; Phospho-ZAP70-Y493 Polyclonal Antibody; Phospho-ZAP70-Y493: SRK; STD; TZK; STCD; ZAP-70; anti-ZAP70 antibody

PRODUCT SPECIFICATIONS

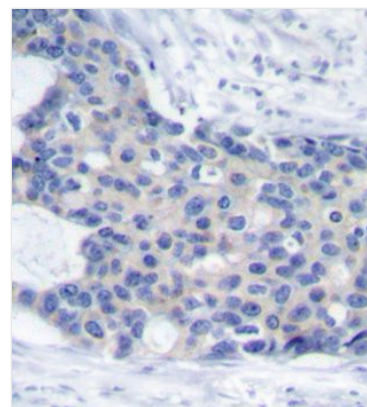
Host	Rabbit
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence Length	619
Applicable Applications for anti-ZAP70 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat
Immunogen	A phospho specific peptide corresponding to residues surrounding Y493 of human ZAP70.
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



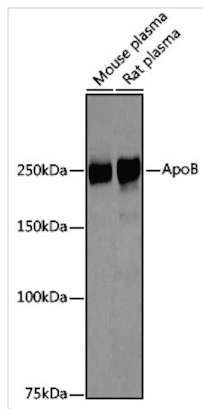
IF (Immunofluorescence)

Immunofluorescence analysis of Jurkat cells using Phospho-ZAP70-Y493 Rabbit pAb (AAA37399) at dilution of 1:100 (40xlens). Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37°C for 2 minutes after serum-starvation overnight. Blue: DAPI for nuclear staining.



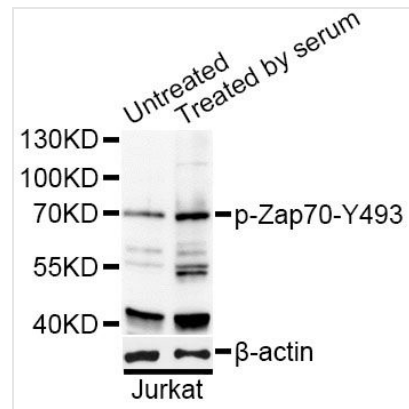
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast carcinoma tissue, using Phospho-ZAP70-Y493 antibody.



WB (Western Blot)

Western blot analysis of extracts of Jurkat cells, using Phospho-ZAP70-Y493 antibody (AAA37399) at 1:1000 dilution. Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37°C for 2 minutes after serum-starvation overnight. Jurkat cells were treated by Pervanadate (1 mM) at 37°C for 30 minutes. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



WB (Western Blot)

Western blot analysis of extracts of Jurkat cells, using Phospho-ZAP70-Y493 antibody at 1:1000 dilution. Jurkat cells were treated by 10% FBS for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.

ADDITIONAL INFORMATION

Related Product Information for anti-ZAP70 antibody	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 Categories/Family for anti-ZAP70 antibody	Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	1177044
NCBI GeneID	7535
UniProt Accession #	P43403 ; Q6PIA4 ; Q8IXD6 ; Q9UBS6 ; A6NFP4
Molecular Weight	Observed MW: 70kDa Calculated MW: 35 kDa/55 kDa/ 69 kDa
NCBI Official Full Name	Tyrosine-protein kinase ZAP-70
NCBI Official Synonym Full Names	zeta-chain (TCR) associated protein kinase 70kDa
NCBI Official Symbol	ZAP70
NCBI Official Synonym Symbols	SRK; STD; TZK; STCD; ZAP-70
NCBI Protein Information	tyrosine-protein kinase ZAP-70; syk-related tyrosine kinase; 70 kDa zeta-associated protein; 70 kDa zeta-chain associated protein; zeta-chain associated protein kinase, 70kD
UniProt Protein Name	Tyrosine-protein kinase ZAP-70
UniProt Gene Name	ZAP70
UniProt Synonym Gene Names	SRK
UniProt Entry Name	ZAP70_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-antibody/zap70-y493/37399>