

Rabbit anti-Human ZAP70 Polyclonal Antibody | anti-ZAP70 antibody

Rabbit anti-Phospho ZAP70 (Y493) Antibody, Affinity Purified

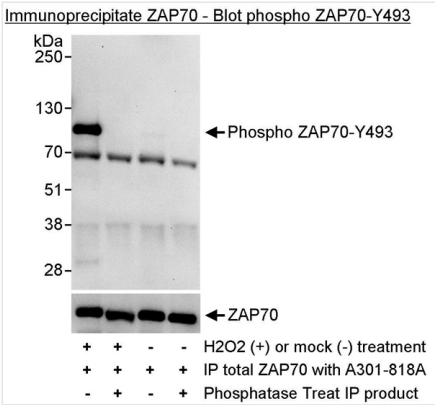
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211719	Rabbit	Human	Immunoprecipitation

PRODUCT SYNONYMS

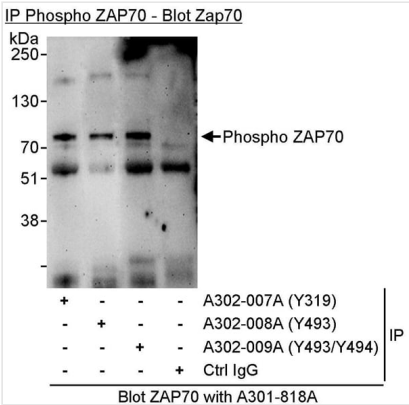
ZAP70; Polyclonal Antibody; Rabbit anti-Phospho ZAP70 (Y493) Antibody; Affinity Purified; Phospho (Y493); ZAP-70; syk-related tyrosine kinase; zeta chain of T cell receptor associated protein kinase 70kDa; TZK; tyrosine-protein kinase ZAP-70; zeta-chain associated protein kinase; 70kD; STCD; SRK; IMD48; ADMIO2; 70 kDa zeta-chain associated protein; 70 kDa zeta-associated protein; zeta-chain (TCR) associated protein kinase 70kDa; STD; Tyrosine-protein kinase ZAP-70; zeta chain of T cell receptor associated protein kinase 70; anti-ZAP70 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ZAP70 antibody	IP (Immunoprecipitation)
Predicted Reactivity	Mouse
Immunogen	Surrounding tyrosine 493
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



IP (Immunoprecipitation)
Detection of Phosphorylation of human ZAP70 on Y493 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from Jurkat cells that had been treated with hydrogen peroxide (+) or mock treated (-). Antibodies: Affinity purified rabbit anti-ZAP70 antibody was used at 3 ug/mg lysate to immunoprecipitate ZAP70. The immunoprecipitates were treated with phosphatase (+) or mock (-) treated. For blotting immunoprecipitated Phospho ZAP70, anti-Phospho ZAP70 (Y493) antibody AAA211719 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IP (Immunoprecipitation)
Detection of Phosphorylation of human ZAP70 on Y319, Y493 or Y493/Y494 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from Jurkat cells that had been treated with hydrogen peroxide. Antibodies: Affinity purified rabbit anti-Phospho ZAP70 antibodies (for phosphorylation at Y319), AAA211719 (for phosphorylation at Y493), and (for phosphorylation at Y493/Y494) used for IP at 3 ug/mg lysate. For blotting immunoprecipitated Phospho ZAP70, antibody (for total ZAP70) was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti-ZAP70 antibody	ZAP-70 (zeta associated protein 70) is a tyrosine kinase of the Src family of tyrosine kinases. It was initially identified as a partner of the zeta chain of the CD3 complex associated to the T-cell receptor on T-lymphocytes. ZAP-70 shares homology with spleen-tyrosine kinase (Syk), a kinase involved in B-cell activation. Both ZAP-70 and Syk have been shown to be crucial to B- and T-lymphocyte development. In T-cells ZAP-70 functions to transduce the signaling cascade activated by T-cell receptor engagement and activation.
Product Categories/Family for anti-ZAP70 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	31455611
NCBI GeneID	7535
NCBI Accession #	NP_001070.2
NCBI GenBank Nucleotide #	NM_001079.3
UniProt Accession #	P43403; Q6PIA4; Q8IXD6; Q9UBS6; A6NFP4
Molecular Weight	69,872 Da
NCBI Official Full Name	tyrosine-protein kinase ZAP-70 isoform 1
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

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/polyclonal/zap70-antibody-immunoprecipitation-elisa/211719>