

Mouse anti-Human ZAP70 Monoclonal Antibody | anti-ZAP70 antibody

ZAP70(Chronic Lymphocytic Leukemia Marker)

CATALOG # AAA215408	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

ZAP70; Monoclonal Antibody; ZAP70(Chronic Lymphocytic Leukemia Marker); Selective T cell defect; SRK; STD; Syk-related tyrosine kinase; Tyrosine-protein kinase ZAP-70; TZK; Zeta chain associated protein kinase 70kDa; anti-ZAP70 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	rZAP70/2046
Specificity	ZAP70 is a 70kDa protein tyrosine kinase found in T-cells and natural killer cells. Control of this protein translation is via the IgVH gene. ZAP70 protein is expressed in leukemic cells of approximately 25% of chronic lymphocytic leukemia (CLL) cases as well. Anti-ZAP70 expression is an excellent surrogate marker for the distinction between the Ig-mutated (anti-ZAP70 negative) and Ig-unmutated (anti-ZAP70 positive) CLL subtypes and can identify patient groups with divergent clinical courses. The anti-ZAP70 positive Ig-unmutated CLL cases have been shown to have a poorer prognosis.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml or Purified Ab with BSA and Azide at 200ug/ml or Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	619
Applicable Applications for anti-ZAP70 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant fragment (around aa 247-382) of Human ZAP70 protein (exact sequence is proprietary)
Cellular Localization	Cell Surfaceand Cytoplasmic
Antibody Type	Recombinant Antibody
Hu-chromosome Location	2q12
Positive Control	Jurkat cells. Tonsil or Lymph node.
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified ZAP70 Recombinant Mouse Monoclonal Antibody (rZAP70/2046). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human tonsil stained with ZAP70 Recombinant Mouse Monoclonal Antibody (rZAP70/2046).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human lymphoma stained with ZAP70 Recombinant Mouse Monoclonal Antibody (rZAP70/2046).

ADDITIONAL INFORMATION

References	Iwashima M, et al. Sequential interactions of the TCR with two distinct cytoplasmic tyrosine kinases. Science 1994;263:1136-9.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31455611
NCBI GeneID	7535
NCBI Accession #	NP_001070.2
NCBI GenBank Nucleotide #	NP_001070.2
UniProt Accession #	P43403
Molecular Weight	70kDa
NCBI Official Full Name	tyrosine-protein kinase ZAP-70 isoform 1
NCBI Official Synonym Full Names	zeta chain of T cell receptor associated protein kinase 70
NCBI Official Symbol	ZAP70
NCBI Official Synonym Symbols	SRK; STD; TZK; STCD; IMD48; ADMIO2; ZAP-70
NCBI Protein Information	tyrosine-protein kinase ZAP-70
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.