

RecomAb™

# ZAP70 recombinant monoclonal antibody, clone R01-6H7

Catalog # RAB01815      Size 100 uL

## Applications



### Western Blot

Western blot analysis of Jurkat lysates with ZAP70 recombinant monoclonal antibody, clone R01-6H7 (Cat # RAB01815).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human ZAP70.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human ZAP70.
<b>Theoretical MW (kDa)</b>	Calculated MW: 70 kD
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at -20 °C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Jurkat lysates with ZAP70 recombinant monoclonal antibody, clone R01-6H7 (Cat # RAB01815).

- Immunoprecipitation

## Gene Info — ZAP70

**Entrez GeneID**[7535](#)**Protein Accession#**[P43403](#)**Gene Name**

ZAP70

**Gene Alias**

FLJ17670, FLJ17679, SRK, STD, TZK, ZAP-70

**Gene Description**

zeta-chain (TCR) associated protein kinase 70kDa

**Omim ID**[176947](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

syk-related tyrosine kinase|zeta-chain (TCR) associated protein kinase (70 kD)|zeta-chain associated protein kinase 70kDa|zeta-chain associated protein kinase, 70kD

## Pathway

- [Natural killer cell mediated cytotoxicity](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

## Disease

- [HIV Infections](#)