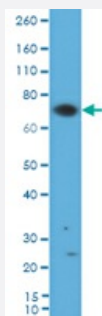


RecomAb™

# ZAP70 monoclonal antibody, clone RM408

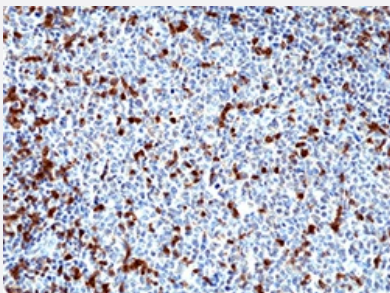
Catalog # MAB23198      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western Blot of Jurkat cell lysate using ZAP70 monoclonal antibody clone RM408 at a 1:500 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin fixed and paraffin embedded human tonsil tissue section using ZAP70 monoclonal antibody clone RM408 at a 1:200 dilution.

## 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 N-terminus of human ZAP70.
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody reacts to human ZAP70. This antibody may also react to mouse or rat Zap70, as predicted by immunogen homology.

Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:100 - 1:200) Western Blot (1:500 - 1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
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.

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## Gene Info — ZAP70

Entrez GeneID	<a href="#">7535</a>
Gene Name	ZAP70
Gene Alias	FLJ17670, FLJ17679, SRK, STD, TZK, ZAP-70
Gene Description	zeta-chain (TCR) associated protein kinase 70kDa
Omim ID	<a href="#">176947</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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](#)