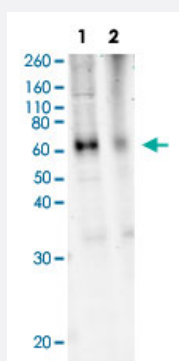


ZAP70/SYK (phospho Y319/Y352) monoclonal antibody, clone A11

Catalog # MAB19160 Size 20 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with ZAP70/SYK (phospho Y319/Y352) monoclonal antibody, clone A11 (Cat # MAB19160). Lane 1: treated or Lane 2: untreated with H₂O₂.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human ZAP70/SYK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y319/Y352 of human ZAP70/SYK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.1% BSA and 0.02% sodium azide).

Storage Instruction

Store at -20°C.

Note

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

Applications

- Western Blot (Cell lysate)

Western Blot analysis of Jurkat cell lysate with ZAP70/SYK (phospho Y319/Y352) monoclonal antibody, clone A11 (Cat # MAB19160). Lane 1: treated or Lane 2: untreated with H₂O₂.

Gene Info — SYK

Entrez GeneID [6850](#)

Gene Name SYK

Gene Alias DKFZp313N1010, FLJ25043, FLJ37489

Gene Description spleen tyrosine kinase

Omim ID [600085](#)

Gene Ontology [Hyperlink](#)

Other Designations OTTHUMP00000021627|OTTHUMP00000021628

Gene Info — ZAP70

Entrez GeneID [7535](#)

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

- [B cell receptor signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

Disease

- [HIV Infections](#)
- [Lymphedema](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)
- [Tobacco Use Disorder](#)