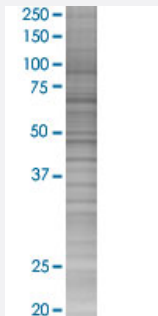


ZAP70 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00007535-T02

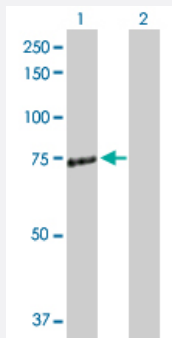
Size 100 uL

Applications



SDS-PAGE Gel

ZAP70 transfected lysate.



Western Blot

Lane 1: ZAP70 transfected lysate (69.90 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ZAP70 full-length
Host	Human
Theoretical MW (kDa)	69.9
Interspecies Antigen Sequence	Mouse (94); Rat (93)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ZAP70 antibody ([H00007535-D01P](#)) by Western Blots.
SDS-PAGE Gel
ZAP70 transfected lysate.
Western Blot
Lane 1: ZAP70 transfected lysate (69.90 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ZAP70

Entrez GeneID

[7535](#)

GeneBank Accession#

[NM_001079](#)

Protein Accession#

[AAH53878.1](#)

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](#)