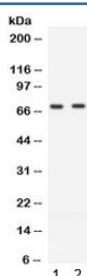


ZAP70 Antibody (R32411)

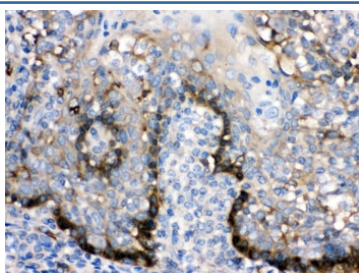
Catalog No.	Formulation	Size
R32411	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P43403
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This ZAP70 antibody is available for research use only.



Western blot testing of human 1) Jurkat and 2) CEM cell lysate with ZAP70 antibody. Expected molecular weight ~70 kDa.



IHC testing of FFPE human tonsil with ZAP70 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to testing.

Description

ZAP-70 (Zeta-chain-associated protein kinase 70) 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.

Application Notes

Optimal dilution of the ZAP70 antibody should be determined by the researcher.

Immunogen

Amino acids MRKKQIDVAIKVLKQGTEKADTEEMMREAQIMHQL from the human protein were used as the immunogen for the ZAP70 antibody.

Storage

After reconstitution, the ZAP70 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.