

Anti-ZAP70 Antibody (6Y709)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 70 kDa. Actual: 68 kDa.
Clone:	6Y709
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. 25 µg total protein per lane of various lysates (see on figure) probed with ZAP70 monoclonal antibody, unconjugated (TMAB-14237) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded Human tonsils; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with ZAP70 Monoclonal Antibody, Unconjugated (TMAB-14237) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded Human lymph nodes;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with ZAP70 Monoclonal Antibody, Unconjugated (TMAB-14237) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p> <p>4. (Negative control) paraformaldehyde-fixed, paraffin embedded Human liver;Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with ZAP70 Monoclonal Antibody, Unconjugated (TMAB-14237) at 1: 200 overnight at 4°C, followed by conjugation to the Goat Anti-Rabbit IgG H&L Secondary Antibody-HRP and DAB staining.</p>
Application:	WB,IHC-P,IHC-Fr,IF,FCM,ICC/IF,IP
Recommended	WB: 1:500-2000; IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200; FCM: 1:50-100; ICC/IF: 1:50-200; IP: 1:20-50

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human ZAP70
Antigen Species:	Human
Gene ID:	7535
Uniprot ID:	P43403

Research Background

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

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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, Jul 2008].

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