

Anti-Zap-70 Antibody (Monoclonal, 11H40)

Catalog Number: M00754

About ZAP70

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.

Overview

Product Name	Anti-Zap-70 Antibody (Monoclonal, 11H40)
Reactive Species	Human, Rat
Description	Boster Bio Anti-Zap-70 Antibody (Monoclonal, 11H40) catalog # M00754. Tested in IHC, WB applications. This antibody reacts with Human, Rat.
Application	IHC, WB
Clonality	Monoclonal 11H40
Formulation	Each vial contains 0.09% sodium azide and 50% glycerol.
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
Host	Mouse
Uniprot ID	P43403

Technical Details

Immunogen	Recombinant full length human Zap-70.
Predicted Reactive Species	Canine
Isotype	IgG2b
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Protein G affinity purified.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

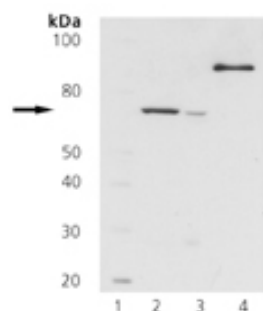
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

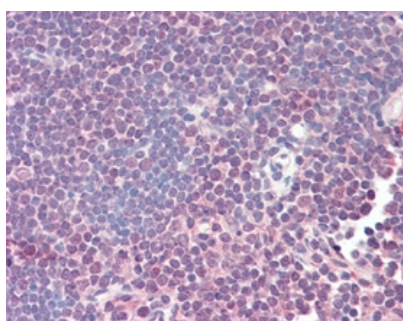
Boster Bio's internal QC testing used:

WB, 1ug/ml, ECL, Human, Rat

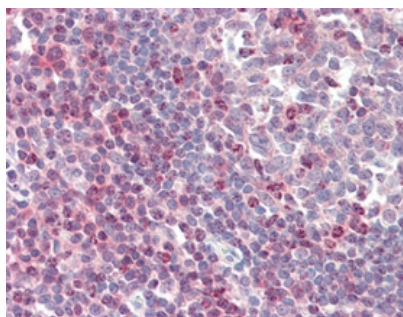
Anti-Zap-70 Antibody (Monoclonal, 11H40) (M00754) Images



Western blot analysis of Zap-70 expression in MW marker (lane 1), JURKAT whole cell lysates (lane 2), rat thymus extract (lane 3) and recombinant human Zap-70 protein (lane 4). Zap-70 at 70KD was detected using mouse anti-Zap-70 Antigen Affinity purified monoclonal antibody (Catalog # M00754) at 1ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1001).



Zap-70 was detected in paraffin-embedded sections of human thymus tissues using mouse anti-Zap-70 Antigen Affinity purified monoclonal antibody (Catalog # M00754) at 20 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1021).



Zap-70 was detected in paraffin-embedded sections of human tonsil tissues using mouse anti-Zap-70 Antigen Affinity purified monoclonal antibody (Catalog # M00754) at 20 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1021).

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