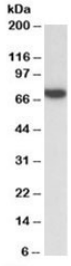
ZAP70 Antibody for WB / Leukemia Lymphoma Western Blot Antibody (R35850)

Catalog No.	Formulation	Size
R35850-100UG	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Dog, Cow
Format	Antigen affinity purified
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	7535
Applications	Western blot: 0.3-1ug/ml Immunoprecipitation: suitable ELISA (peptide) LOD: 1:32000
Limitations	This ZAP70 antibody is available for research use only.



ZAP70 Antibody for WB / Leukemia Lymphoma Western Blot Antibody. Western blot analysis of human Jurkat T-cell leukemia cell lysate using ZAP70 Antibody for WB / Leukemia Lymphoma Western Blot Antibody at 0.3 ug/ml. A band is detected at approximately 70 kDa, consistent with the predicted molecular weight of Zeta-chain-associated protein kinase 70 (ZAP70), a tyrosine kinase frequently studied in lymphoid malignancies. The clear signal in this leukemia-derived cell line supports the relevance of ZAP70 detection in hematologic cancer research, aligning with its established role in lymphoid cell signaling and disease-associated expression patterns.

Description

ZAP70 antibody, also known as Zeta-chain-associated protein kinase 70 antibody, recognizes a cytoplasmic tyrosine kinase that has significant relevance in lymphoid malignancy research. ZAP70 Antibody for WB is specifically designed

for western blot analysis of leukemia and lymphoma model systems, enabling detection of protein expression in malignant or transformed lymphoid cells. ZAP70 is expressed in T cells and subsets of B cells, and its expression patterns have been widely studied in the context of hematologic cancers.

In western blot applications, ZAP70 is typically detected as a band corresponding to its predicted molecular weight, allowing researchers to evaluate protein expression across cancer cell lines, primary samples, and disease models. Differences in band intensity between samples may reflect variation in expression levels associated with malignant transformation or altered signaling states. This makes ZAP70 a valuable target for comparative protein analysis in leukemia and lymphoma research.

This ZAP70 Antibody for WB is uniquely positioned for disease-focused protein analysis, emphasizing hematologic malignancy applications rather than general signaling biology or activation-state studies. Western blot detection of ZAP70 supports investigation of protein expression patterns in cancer cells, enabling researchers to examine how signaling pathways are altered in lymphoid malignancies and how these changes contribute to disease progression.

ZAP70 participates in signaling pathways that regulate cell survival, proliferation, and immune function, and its dysregulation can contribute to abnormal lymphocyte behavior in cancer. In certain leukemia and lymphoma contexts, altered ZAP70 expression has been associated with changes in signaling activity and cellular phenotype, making it a relevant marker for studying disease-associated signaling alterations at the protein level.

Western blot analysis provides a robust method for detecting ZAP70 in complex biological samples, supporting evaluation of protein expression across different disease states and experimental conditions. By enabling direct comparison of malignant and non-malignant samples, ZAP70 Antibody for WB facilitates detailed investigation of protein-level changes associated with hematologic cancer biology. Overall, this antibody provides a focused tool for studying leukemia and lymphoma through western blot analysis of ZAP70 expression and signaling alterations.

Application Notes

Optimal dilution of the ZAP70 Antibody for WB / Leukemia Lymphoma Western Blot Antibody should be determined by the researcher.

1. This ZAP70 antibody is specific for isoform 1.

Immunogen

Amino acids SDGYTPEPARITSPD were used as the immunogen for this ZAP70 Antibody for WB / Leukemia Lymphoma Western Blot Antibody.

Storage

Aliquot and store the ZAP70 antibody at -20oC.

Alternate Names

ZAP70 leukemia western blot antibody, ZAP70 lymphoma WB antibody, ZAP70 hematologic cancer antibody, ZAP70 cancer research WB antibody, ZAP70 lymphoid malignancy antibody

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