

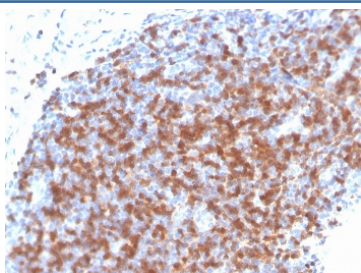
## Recombinant ZAP70 Antibody [clone ZAP70/4040R] (V8750)

Catalog No.	Formulation	Size
V8750-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8750-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8750SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

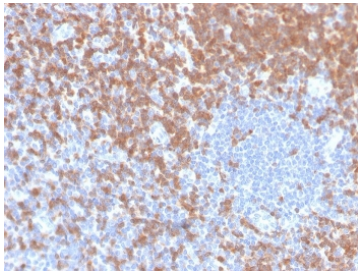
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Name</b>	ZAP70/4040R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P43403
<b>Localization</b>	Cell surface, cytoplasm
<b>Applications</b>	ELISA : 2-4ug/ml for coating (order Ab without BSA) Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
<b>Limitations</b>	This recombinant ZAP70 antibody is available for research use only.



IHC staining of FFPE human tonsil with recombinant ZAP70 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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## Description

Zeta-associated protein-70 (ZAP-70) is a member of the Syk family of tyrosine kinases, a group of proteins that attach to the zeta chain components of T-cell receptors to signal downstream events involved in the regulation of cell function, proliferation, and death. Research suggests that the ZAP-70 protein may also play an important role in natural killer (NK) cell activation and early B-cell development; however, it is not expressed in most normal mature B-cells. Expression of ZAP-70 has been reported in various lymphomas, including mantle cell lymphoma, small lymphocytic lymphoma and marginal zone lymphoma. During thymocyte development, ZAP-70 promotes survival and cell-cycle progression of developing thymocytes before positive selection (when cells are still CD4/CD8 double negative). Additionally, ZAP-70-dependent signaling pathway may also contribute to primary B-cells formation and activation through B-cell receptor (BCR).

## Application Notes

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

## Immunogen

A portion of amino acids 200-350 from the human protein was used as the immunogen for the recombinant ZAP70 antibody.

## Storage

Store the recombinant ZAP70 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).