

**DATASHEET**

**ZAP-70 Rabbit Monoclonal Antibody(ARB859)**

CAT. NO. ARB6651

**KEY FEATURES**

Target	ZAP-70	Clonality	Monoclonal
Clone ID	ARB859	Applications	IHC
Source / Host	Rabbit	Dilution	1:100-1:200
Reactivity	Human	Storage	at-20°C

**BACKGROUND**

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 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**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

IHC	1:100 - 1:200
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

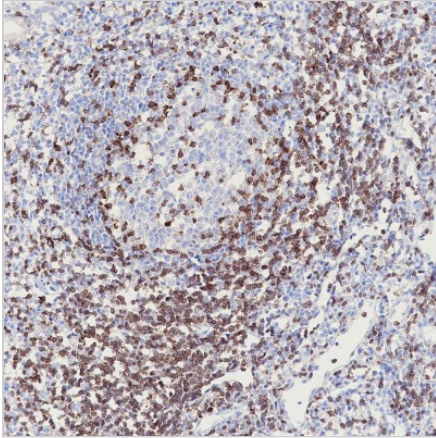
Predicted Molecular Wt	70 kDa
Purity	ProA affinity purified IgG
Subcellular location	Nuclear and cytoplasmic
Swissprot ID	P43403
Immunogen	Synthetic peptide corresponding to residues within aa200-350 of ZAP-70
Storage Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%
Recommended method	Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18° C- 25° C) for 30 minutes.

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Immunohistochemistry (Formalin/PFA - fixed, paraffin - embedded sections) analysis of tonsil tissue labeling ZAP - 70 with ARA859. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com](http://www.arexbio.com)