

Datasheet for ABIN7600735
anti-MZB1 antibody (AA 23-189)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	MZB1
Binding Specificity:	AA 23-189
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MZB1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MZB1 Antibody Picoband®
Immunogen:	E.coli-derived human MZB1 recombinant protein (Position: D23-L189).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-MZB1 Antibody Picoband® (ABIN7600735). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	MZB1
Alternative Name:	MZB1 (MZB1 Products)
Background:	<p>Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: Marginal zone B and B1 cell-specific protein is a protein that in humans is encoded by the MZB1 gene. MZB1, also named as ,PACAP, MGC29506 and pERp1, belongs to the PERP1 family. It is associates with immunoglobulin M (IgM) heavy and light chains and promotes IgM assembly and secretion. MGC29506(PACAP) may exert its effect by acting as a molecular chaperone or as an oxidoreductase as it displays a low level of oxidoreductase activity. Isoform 2 may be involved in regulation of apoptosis. (PubMed: 11350957) MZB1 has 5 isoforms with MW 21kd and 7-13kd.</p>
Molecular Weight:	19 kDa
Gene ID:	51237
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	<p>Western blot, 0.1-0.25 µg/mL, Human</p> <p>Immunohistochemistry, 1-2 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Bonfoco, E., Li, E., Kolbinger, F., Cooper, N. R. Characterization of a novel proapoptotic caspase-2- and caspase-9-binding protein. J. Biol. Chem. 276: 29242-29250, 2001. 2. Flach, H.,</p>
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Application Details

Rosenbaum, M., Duchniewicz, M., Kim, S., Zhang, S. L., Cahalan, M. D., Mittler, G., Grosschedl, R. Mzb1 protein regulates calcium homeostasis, antibody secretion, and integrin activation in innate-like B cells. Immunity 33: 723-735, 2010. 3. Katoh, M., Katoh, M. MGC29506 gene, frequently down-regulated in intestinal-type gastric cancer, encodes secreted-type protein with conserved cysteine residues. Int. J. Oncol. 23: 235-241, 2003.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.