

Rabbit anti-ZONAB (Mid)

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Rev. 1.00

Catalog Number: 402800

Store at 2 to 8°C (short-term), or -20°C (long-term)

Clonality: Polyclonal
Concentration: 0.25 mg/mL
Quantity: 100 µg
Volume: 400 µL

Host/Class: Rabbit
Reactivity: Mouse and rat

Product Description

ZONAB (ZO-1 associated nucleic acid-binding) is a Y-box transcription factor whose nuclear localization and transcriptional activity is regulated by the tight junction-associated candidate tumor suppressor ZO-1. Two ZONAB isoforms are known, a long isoform (ZONAB B) and an alternatively spliced shorter isoform (ZONAB A) that lacks 68 amino acids. ZONAB regulates the expression of the tyrosine kinase receptor HER2, and appears to act in combination with ZO-1 to regulate HER2 expression. This antibody reacts with an internal region of the ZONAB protein. On Western blots, it identifies a major band at ~65 kDa and a minor band at ~54 kDa. The antibody is directed towards a region of ZONAB common to both the long and the alternatively spliced short form. During development reactivity was confirmed using ms testes tissue homogenates by Western blotting and labeling of ms testes tissue using immunofluorescence. All signals were absent in knockout mice further confirming the reactivity with ZONAB.

Product Specifications

Immunogen: Synthetic peptide derived from an internal region of mouse ZONAB (ZO-1 associated nucleic acid-binding protein, ZONAB A (long isoform) and B (short isoform), cold shock domain protein A (CSDA), DNA-binding protein A (DBPA), RNA binding protein MSY4, or Y-box protein 3)

Clone/PAD: ZMD.448

Lot: See product label

Product Applications

Application	Concentration
Western Blotting	2-3 µg/mL
Immunoprecipitation	1-2 µg/IP reaction
Immunofluorescence	2-3 µg/mL
Immunohistochemistry (frozen)	2-3 µg/mL

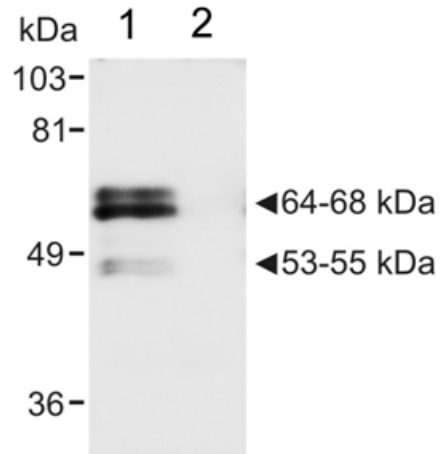


Figure 1

Rabbit anti-ZONAB Mid polyclonal antibody was used at 2 µg/mL. ZONAB could be detected after loading 20 µg of ms testes tissue lysate from a wild-type mouse on gel and detection by western blot (lane 1). As a negative control, 20 µg of testes tissue lysate from a knock-out mouse was loaded in lane 2.

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Storage and Handling

Store at 2 to 8°C for up to one month. Store at -20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

Expires one year from date of receipt when stored as instructed.

Storage Buffer

Phosphate buffered saline (PBS), pH 7.4, containing 0.1% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.














Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.lifetechnologies.com/support.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.lifetechnologies.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

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