

# Anti-Tropomodulin 3 antibody [EPR10302(B)] - BSA and Azide free ab249221

Recombinant RabMAb

3 Images

### Overview

<b>Product name</b>	Anti-Tropomodulin 3 antibody [EPR10302(B)] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR10302(B)] to Tropomodulin 3 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Specificity</b>	The immunogen used for this product shares 79% identity (92% positives) with Tropomodulin-2. Cross-reactivity with this protein has not been confirmed experimentally.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB <b>Unsuitable for:</b> Flow Cyt or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab249221 is the carrier-free version of <a href="#">ab155968</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit</p>

monoclonal antibodies. For details on our patents, please refer to [\*\*RabMAb®\*\* patents](#).

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Affinity purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR10302(B)
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our [\*\*Abpromise guarantee\*\*](#) covers the use of ab249221 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

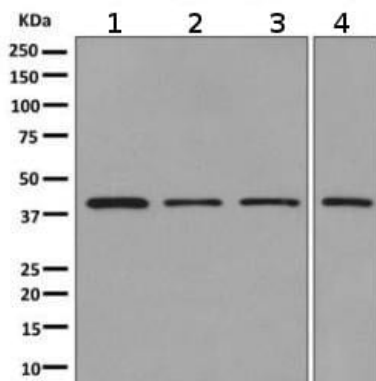
Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 39 kDa.

**Application notes** Is unsuitable for Flow Cyt or IHC-P.

## Target

<b>Function</b>	Blocks the elongation and depolymerization of the actin filaments at the pointed end. The Tmod/TM complex contributes to the formation of the short actin protofilament, which in turn defines the geometry of the membrane skeleton.
<b>Tissue specificity</b>	Ubiquitous.
<b>Sequence similarities</b>	Belongs to the tropomodulin family.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton.

## Images



Western blot - Anti-Tropomodulin 3 antibody [EPR10302(B)] - BSA and Azide free (ab249221)

**All lanes :** Anti-Tropomodulin 3 antibody [EPR10302(B)] ([ab155968](#)) at 1/10000 dilution

**Lane 1 :** Caco-2 cell lysate

**Lane 2 :** HeLa cell lysate

**Lane 3 :** HepG2 cell lysate

**Lane 4 :** Jurkat cell lysate

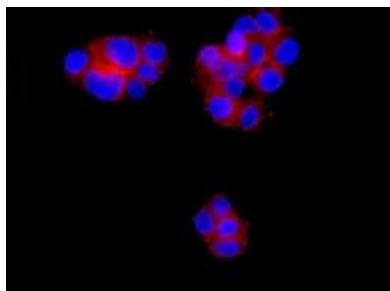
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 39 kDa

This data was developed using [ab155968](#), the same antibody clone in a different buffer formulation.



Immunocytochemistry/ Immunofluorescence - Anti-Tropomodulin 3 antibody [EPR10302(B)] - BSA and Azide free (ab249221)

This data was developed using [ab155968](#), the same antibody clone in a different buffer formulation. Immunofluorescence analysis of HepG2 cells labeling Tropomodulin 3 with [ab155968](#) at a 1/100 dilution.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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