

Product datasheet

Anti-TC10 antibody [Y304] ab32079

Recombinant RabMAb

★★★★★ 1 Abreviews 5 References 3 Images

Overview

Product name	Anti-TC10 antibody [Y304]
Description	Rabbit monoclonal [Y304] to TC10
Host species	Rabbit
Specificity	ab32079 recognises TC10.
Tested applications	<p>Suitable for: WB, ICC/IF</p> <p>Unsuitable for: Flow Cyt or IP</p>
Species reactivity	Reacts with: Rat, Human
Immunogen	Synthetic peptide within Human TC10 aa 100-200. The exact sequence is proprietary. (Peptide available as ab186757)
Positive control	293 cell lysate, HeLa cells
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p>

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	IgG fraction
Clonality	Monoclonal
Clone number	Y304
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab32079** in the following tested applications.

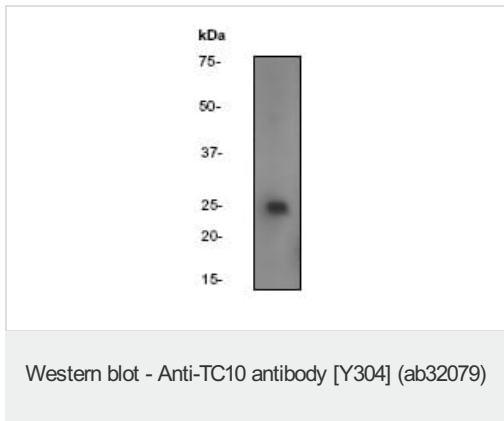
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	1/1000 - 1/10000. Predicted molecular weight: 23 kDa. Can be blocked with TC10 peptide (ab186757) .
ICC/IF		1/250 - 1/500.

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function	Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses. Involved in epithelial cell polarization processes. May play a role in CFTR trafficking to the plasma membrane. Causes the formation of thin, actin-rich surface projections called filopodia.
Sequence similarities	Belongs to the small GTPase superfamily. Rho family.
Post-translational modifications	May be post-translationally modified by both palmitoylation and polyisoprenylation.
Cellular localization	Cytoplasm. Cell membrane.



Anti-TC10 antibody [Y304] (ab32079) at 1/1000 dilution + 293 cell lysate

Predicted band size: 23 kDa

Observed band size: 25 kDa

[why is the actual band size different from the predicted?](#)



Immunofluorescent analysis of TC10 expression in HeLa cells using 1/250 ab 32079.

Why choose a recombinant antibody?

<p>Research with confidence Consistent and reproducible results</p>	<p>Long-term and scalable supply Recombinant technology</p>
<p>Success from the first experiment Confirmed specificity</p>	<p>Ethical standards compliant Animal-free production</p>

Anti-TC10 antibody [Y304] (ab32079)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors