

Anti-Tropomodulin 1 antibody - C-terminal ab229679

[2 Images](#)

Overview

Product name	Anti-Tropomodulin 1 antibody - C-terminal
Description	Rabbit polyclonal to Tropomodulin 1 - C-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Rhesus monkey 
Immunogen	Synthetic peptide within Human Tropomodulin 1 (C terminal). The exact sequence is proprietary. Carrier-protein conjugated. Database link: P28289
Positive control	WB: U-87 MG, SK-N-SH, IMR32 and SK-N-AS whole cell extracts. ICC/IF: SK-N-SH cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab229679 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		1/500 - 1/3000. Predicted molecular weight: 26,41 kDa.
ICC/IF		1/100 - 1/1000.

Target

Function

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. May play an important role in regulating the organization of actin filaments by preferentially binding to a specific tropomyosin isoform at its N-terminus.

Tissue specificity

Highly expressed in the erythrocyte, heart and skeletal muscle.

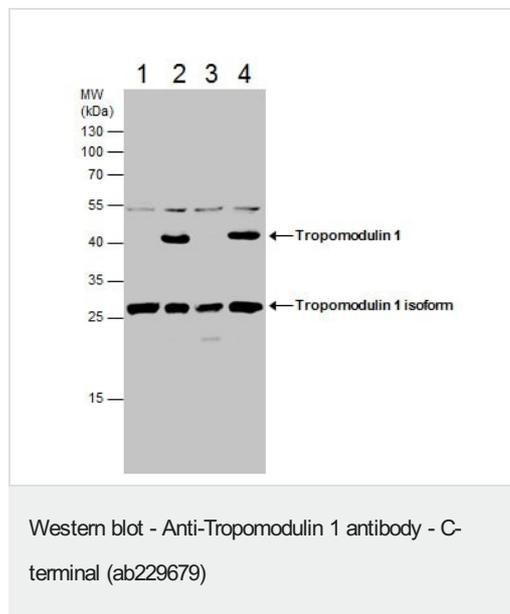
Sequence similarities

Belongs to the tropomodulin family.

Cellular localization

Cytoplasm > cytoskeleton.

Images



All lanes : Anti-Tropomodulin 1 antibody - C-terminal (ab229679)
at 1/1000 dilution

Lane 1 : U-87 MG (human glioblastoma-astrocytoma epithelial cell line) whole cell extract

Lane 2 : SK-N-SH (human neuroblastoma cell line) whole cell extract

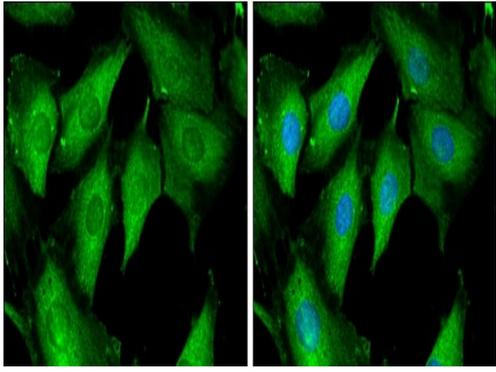
Lane 3 : IMR32 whole cell extract

Lane 4 : SK-N-AS whole cell extract

Lysates/proteins at 30 µg per lane.

Predicted band size: 26,41 kDa

12% SDS-PAGE gel.



4% paraformaldehyde-fixed SK-N-SH (human neuroblastoma cell line) cells stained for Tropomodulin 1 (green) using ab229679 at 1/500 dilution in ICC/IF.

Nuclear counterstain: Hoechst 33342 (blue).

Immunocytochemistry/ Immunofluorescence - Anti-Tropomodulin 1 antibody - C-terminal (ab229679)

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

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