

Datasheet for ABIN6657588  
**anti-TRPM7 antibody (C-Term)**



[Go to Product page](#)

3 Images

## Overview

Quantity:	100 µg
Target:	TRPM7
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TRPM7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Fluorescence Microscopy (FM)

## Product Details

Purpose:	Trpm7 Antibody
Immunogen:	TRPM7 Antibody was produced in mice by repeated immunizations raised against a fusion proteins corresponding to the c-terminus region of mouse TrpM7.
Clone:	S74
Isotype:	IgG1
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with TRPM7 from Human, Rat, and Mouse based on 100 % homology with the immunizing sequence.
Purification:	Anti-TRPM7 Antibody was purified by Protein G chromatography.
Sterility:	Sterile filtered

## Target Details

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Target:	TRPM7
Alternative Name:	TRPM7 ( <a href="#">TRPM7 Products</a> )
Background:	<p>Synonyms: CHAK antibody, CHAK1 antibody, LTRPC7 antibody, TRP PLIK antibody, Channel kinase 1 antibody, Transient receptor potential cation channel subfamily M member 7 antibody, Channel-kinase 1 antibody, Long transient receptor potential channel 7 antibody, LTrpC-7 antibody, Transient receptor potential-phospholipase C-interacting kinase antibody, TRP-PLIK antibody, Trpm7 antibody</p> <p>Background: TRPs, mammalian homologs of the Drosophila transient receptor potential (trp) protein, are ion channels that are thought to mediate capacitative calcium entry into the cell. TRP-PLIK is a protein that is both an ion channel and a kinase. As a channel, it conducts calcium and monovalent cations to depolarize cells and increase intracellular calcium. As a kinase, it is capable of phosphorylating itself and other substrates. The kinase activity is necessary for channel function, as shown by its dependence on intracellular ATP and by the kinase mutants.</p> <p>Gene Name: Trpm7</p>

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Gene ID:	58800
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NCBI Accession:	<a href="#">NP_001157797</a>
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UniProt:	<a href="#">Q923J1</a>
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## Application Details

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Application Notes:	Immunohistochemistry_Dilution: 1:1000 IF_Microscopy_Dilution: 1:100 Western_Blot_Dilution: 1:1000
Comment:	Anti-TRPM7 Antibody is tested for use in WB (transiently transfected cells only), IHC and IF/ICC microscopy. Expect a band approximately ~220kDa on specific lysates, in extracts of cells transiently transfected with TrpM7. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
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Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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## Handling

Stabilizer: 50 % (v/v) Glycerol  
Preservative: 0.09 % (w/v) Sodium Azide

Preservative: Sodium azide

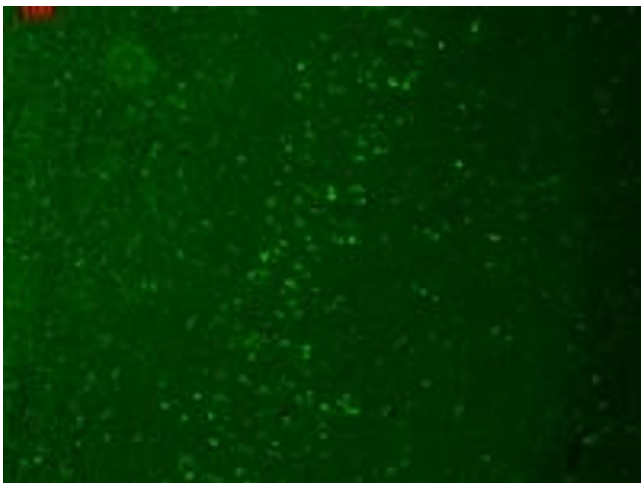
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

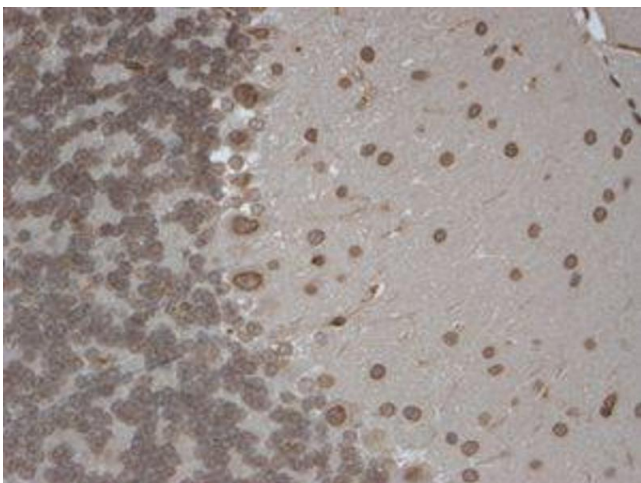
Expiry Date: 12 months

## Images



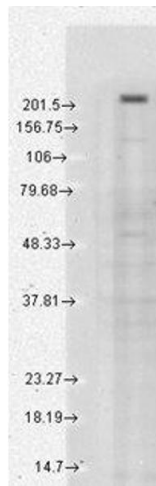
### Immunofluorescence

**Image 1.** TRPM7 Immunofluorescence. Immunofluorescence Microscopy of mouse anti-TRPM7 antibody. Tissue: Human Hippocampal tissue. Fixation: N/A. Antigen Retrieval: not required. Primary Antibody: TRPM7 antibody at 1 µg/mL for 1h at RT. Secondary antibody: Fluorescence mouse secondary at 1:10,000 for 45 min at RT. Localization: Membrane. Staining: TRPM7 as green signal.



### Immunohistochemistry

**Image 2.** TRPM7 Immunohistochemistry. Immunohistochemistry of mouse anti-TRPM7 antibody. Tissue: Mouse Brain. Fixation: N/A. Antigen Retrieval: not required. Primary Antibody: TRPM7 antibody at 1 µg/mL for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Localization: Cell Membrane. Staining: TRPM7 as brown signal.



### Western Blotting

**Image 3.** TRPM7 Western Blot. Western Blot of mouse anti-TRMP7 antibody. Lane 1: Human Cell Line Mix. Primary antibody: TRMP7 antibody at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-mouse IgG HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Biotin overnight 4°C. Predicted/Observed size: 212kDa/220kD. Other band(s): none.