

## Datasheet for ABIN633730 **anti-TRPM4 antibody (N-Term)**



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### 1 Image

#### Overview

Quantity:	100 µL
Target:	TRPM4
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPM4 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	TRPM4 antibody was raised using the N terminal of TRPM4 corresponding to a region with amino acids ELLTVYSSDGDSEEFETIVLKALVKACGSSEASAYLDELRLAVAWNRVDI
Specificity:	TRPM4 antibody was raised against the N terminal of TRPM4
Purification:	Affinity purified

#### Target Details

Target:	TRPM4
Alternative Name:	TRPM4 ( <a href="#">TRPM4 Products</a> )
Background:	TRPM4 is a calcium-activated non selective (CAN) cation channel that mediates membrane depolarization. While it is activated by increase in intracellular Ca <sup>2+</sup> , it is impermeable to it. TRPM4 mediates transport of monovalent cations (Na <sup>+</sup> > K <sup>+</sup> > Cs <sup>+</sup> > Li <sup>+</sup> ), leading to depolarize

## Target Details

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the membrane. It thereby plays a central role in cardiomyocytes, neurons from entorhinal cortex, dorsal root and vomeronasal neurons, endocrine pancreas cells, kidney epithelial cells, cochlea hair cells etc. Participates in T-cell activation by modulating Ca<sup>2+</sup> oscillations after T lymphocyte activation, which is required for NFAT-dependent IL2 production.

Molecular Weight: 134 kDa (MW of target protein)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#)

## Application Details

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Application Notes: WB: 1 µg/mL  
Optimal conditions should be determined by the investigator.

Comment: TRPM4 Blocking Peptide, catalog no. 33R-2560, is also available for use as a blocking control in assays to test for specificity of this TRPM4 antibody

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of TRPM4 antibody in PBS

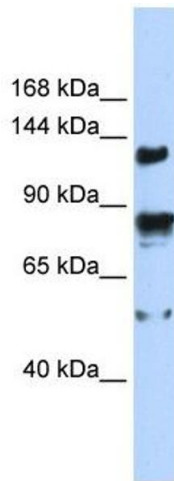
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.  
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



### Western Blotting

**Image 1.** TRPM4 antibody used at 1 ug/ml to detect target protein.