

Datasheet for ABIN7043833

anti-TRPM4 antibody (Intracellular, N-Term)**2** Images[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	TRPM4
Binding Specificity:	AA 5-17, Intracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPM4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: EKEQSWIPKIFKK(C), corresponding to amino acid residues 5-17 of human TRPM4
Isotype:	IgG
Characteristics:	Anti-TRPM4 Antibody is directed against an epitope of human TRPM4. Anti-TRPM4 Antibody (ABIN7043833, ABIN7044008 and ABIN7044009)) can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize TRPM4 from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

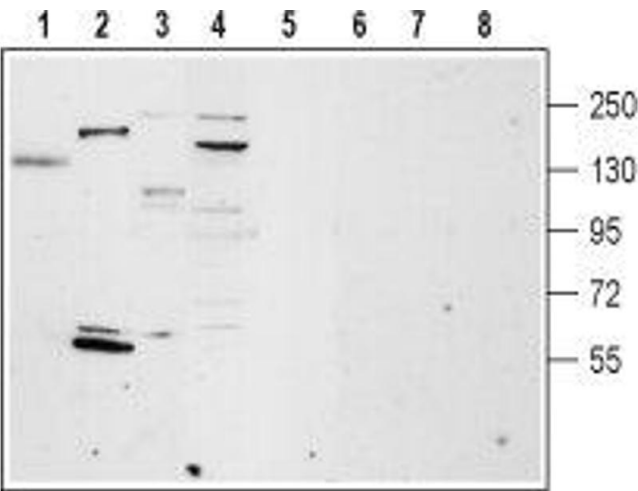
Target:	TRPM4
Alternative Name:	TRPM4 (TRPM4 Products)
Background:	Alternative names: TRPM4, Melastatin-4, LTrpC4, Calcium-activated non-selective cation channel 1
Gene ID:	54795
NCBI Accession:	NM_017636
UniProt:	Q8TD43
Pathways:	Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

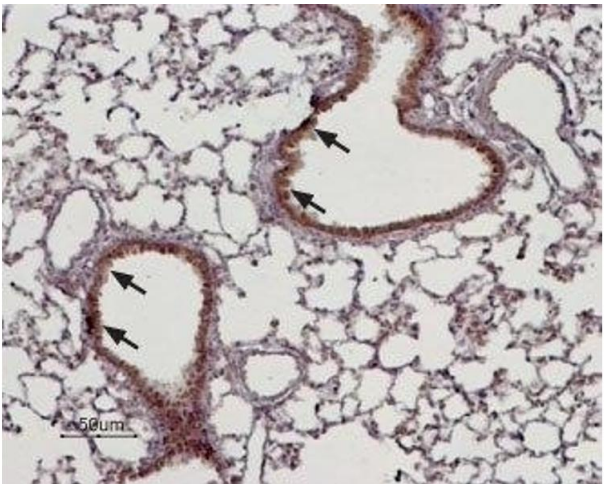
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.85 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



Western Blotting

Image 1. Western blot analysis of rat lung (lanes 1 and 5), rat heart membrane (lanes 2 and 6), mouse brain membrane (lanes 3 and 7) and ms1 mouse pancreas cells lysate (lanes 4 and 8): - 1-4. Anti-TRPM4 Antibody (ABIN7043833, ABIN7044008 and ABIN7044009), (1:200). 5-8. Anti-TRPM4 Antibody, preincubated with TRPM4 Blocking Peptide (#BLP-CC044).



Immunohistochemistry

Image 2. Expression of TRPM4 in rat lung - Immunohistochemical staining of rat lung paraffin embedded sections using Anti-TRPM4 Antibody (ABIN7043833, ABIN7044008 and ABIN7044009), (1:100). TRPM4 is expressed in the respiratory epithelium of the bronchioli (arrows). Hematoxylin is used as the counterstain.