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anti-TRPM2 antibody (Intracellular, N-Term)

Images



Overview

Quantity:	50 μL
Target:	TRPM2
Binding Specificity:	AA 105-120, Intracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)
Product Details	

Product Details

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Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)HTFQGKEWDPKKHVQE, corresponding to amino acid residues 105- 120 of mouse TRPM2
Isotype:	IgG
Characteristics:	Anti-TRPM2 Antibody (ABIN7043829, ABIN7044006 and ABIN7044007)) is a highly specific antibody directed against an intracellular epitope of mouse TRPM2. The antibody can be used in western blot, immunocytochemistry, and immunohistochemistry applications. It has been designed to recognize TRPM2 from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

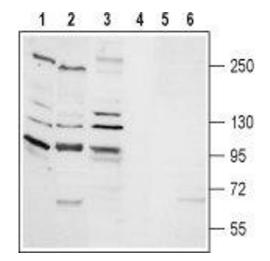
Target:	TRPM2
Alternative Name:	TRPM2 (TRPM2 Products)
Background:	Alternative names: TRPM2, Transient receptor potential cation channel subfamily M member 2, LTrpC2, TrpC7
Gene ID:	28240
NCBI Accession:	NM_003307
UniProt:	Q91YD4

Application Details

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

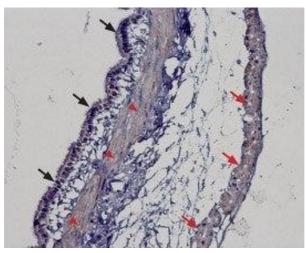
Handling

Format:	Lyophilized
Reconstitution:	$25~\mu\text{L},50~\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 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:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. 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).



Western Blotting

Image 1. Western blot analysis of rat lung membrane (lanes 1 and 4), rat brain membrane (lanes 2 and 5) and human K562 chronic myelogeneous cells (lanes 3 and 6) lysates: -1-3. Anti-TRPM2 Antibody (ABIN7043829, ABIN7044006 and ABIN7044007), (1:200).4-6. Anti-TRPM2 Antibody, preincubated with TRPM2 Blocking Peptide (#BLP-CC043).



Immunohistochemistry

Image 2. Expression of TRPM2 in rat lung - Immunohistochemical staining of rat lung paraffin embedded sections using Anti-TRPM2 Antibody (ABIN7043829, ABIN7044006 and ABIN7044007), (1:100). TRPM2 is expressed in the respiratory epithelium (black arrows). In addition, staining is also present in smooth muscle, both bronchiolar (arrowheads) and vascular (red arrows). Hematoxilin is used as the counterstain.