



Datasheet for ABIN7043834

## anti-TRPM5 antibody (Intracellular, N-Term)



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### 3 Images

#### Overview

Quantity:	25 µL
Target:	TRPM5
Binding Specificity:	AA 32-45, Intracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

#### Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: GSGKKRGKFKVPS(C), corresponding to amino acid residues 32-45 of mouse TRPM5
Isotype:	IgG
Characteristics:	Anti-TRPM5 Antibody (ABIN7043834, ABIN7044010 and ABIN7044011) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize TRPM5 from mouse, rat and human samples.
Purification:	Affinity purified on immobilized antigen.

#### Target Details

Target:	TRPM5
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## Target Details

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Alternative Name:	TRPM5 ( <a href="#">TRPM5 Products</a> )
Background:	Alternative names: TRPM5, LTrpC5, MTR1, Transient receptor potential cation channel subfamily M member 5
Gene ID:	56843
NCBI Accession:	<a href="#">NM_014555</a>
UniProt:	<a href="#">Q9JJH7</a>

## Application Details

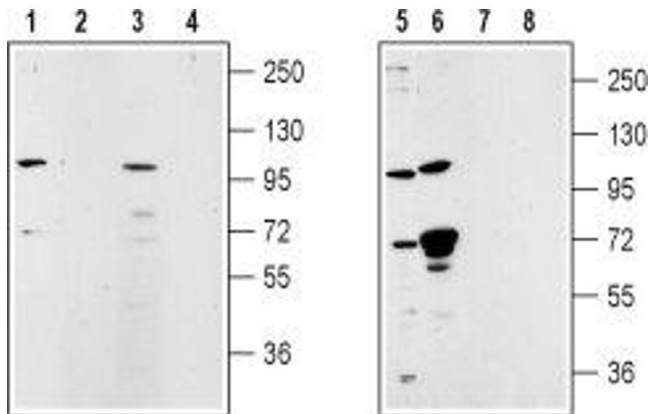
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

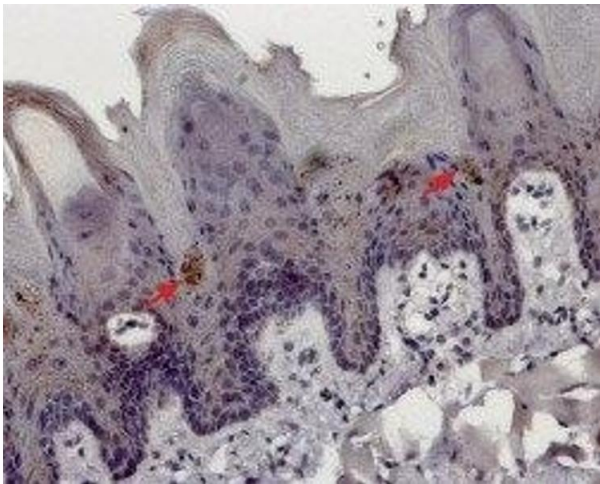
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Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium 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:	<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>



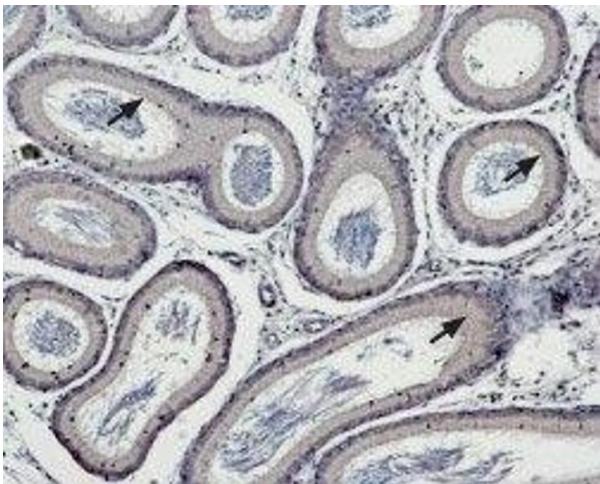
### Western Blotting

**Image 1.** Western blot analysis of rat lung membrane (lanes 1 and 2), rat testes (lanes 3 and 4), mouse ms1 pancreas cells (lanes 5 and 7) and human LNCaP prostate cell (lanes 6 and 8) lysates: - 1,3,5,6. Anti-TRPM5 Antibody (ABIN7043834, ABIN7044010 and ABIN7044011), (1:200). 2,4,7,8. Anti-TRPM5 Antibody, preincubated with TRPM5 Blocking Peptide (#BLP-CC045).



### Immunohistochemistry

**Image 2.** Expression of TRPM5 in rat tongue - Immunohistochemical staining of rat tongue paraffin embedded sections using Anti-TRPM5 Antibody (ABIN7043834, ABIN7044010 and ABIN7044011), (1:100). TRPM5 is expressed in discrete groups of cells deep in the sulcus of the papillae. Hematoxylin is used as the counterstain.



### Immunohistochemistry

**Image 3.** Expression of TRPM5 in rat testes - Immunohistochemical staining of rat epididymis paraffin embedded sections using Anti-TRPM5 Antibody (ABIN7043834, ABIN7044010 and ABIN7044011), (1:100). TRPM5 is expressed in principal cells within the epididymal epithelium (arrows). Hematoxylin is used as the counterstain.