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# anti-TRPM5 antibody (AA 1021-1108)





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100 μg	
TRPM5	
AA 1021-1108	
Human, Mouse, Rat	
Rabbit	
Polyclonal	
This TRPM5 antibody is un-conjugated	
Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Rabbit IgG polyclonal antibody for Transient receptor potential cation channel subfamily M member 5(TRPM5) detection. Tested with WB, IHC-P in Human,Mouse,Rat.	
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member 5(TRPM5) detection. Tested with WB, IHC-P in Human,Mouse,Rat.  E.coli-derived human TRPM5 recombinant protein (Position: S1021-Q1108). Human TRPM5 shares 87.5% amino acid (aa) sequence identity with mouse TRPM5.	
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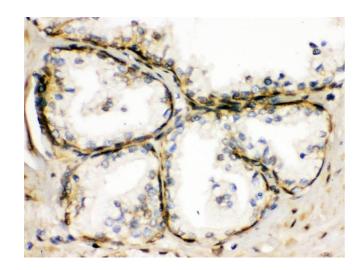
## **Target Details**

Target:	TRPM5	
Alternative Name:	TRPM5 (TRPM5 Products)	
Background:	Transient receptor potential cation channel subfamily M member 5 (TRPM5) is a protein that in	
	humans is encoded by the TRPM5 gene. This gene encodes a member of the transient receptor	
	potential (TRP) protein family, which is a diverse group of proteins with structural features	
	typical of ion channels. This protein plays an important role in taste transduction, and has	
	characteristics of a calcium-activated, non-selective cation channel that carries Na+, K+, and	
	Cs+ ions equally well, but not Ca(2+) ions. It is activated by lower concentrations of intracellular	
	Ca(2+), and inhibited by higher concentrations. It is also a highly temperature-sensitive, heat	
	activated channel showing a steep increase of inward currents at temperatures between 15	
	and 35 degrees Celsius. This gene is located within the Beckwith-Wiedemann syndrome critical	
	region-1 on chromosome 11p15.5, and has been shown to be imprinted, with exclusive	
	expression from the paternal allele.	
	Synonyms: 9430099A16Rik antibody Long transient receptor potential channel 5	
	antibody LTrpC-5 antibody LTrpC5 antibody MLSN1 and TRP related gene 1 antibody MLSN1	
	and TRP related gene 1 protein antibody MLSN1 and TRP-related antibody MLSN1- and TRP-	
	related gene 1 protein antibody MTR1 antibody Novel protein similar to vertebrate transient	
	receptor potential cation channel, subfamily M, member 5 antibody Transient receptor potential	
	cation channel subfamily M member 5 antibody Transient receptor potential cation channel,	
	subfamily M, member 5 antibody Trpm5 antibody TRPM5 transient receptor potential cation	
	channel, subfamily M, member 5 antibody  TRPM5_HUMAN antibody	
Gene ID:	29850	
Application Details		
Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human	
	IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by	
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the	
	staining of formalin/paraffin sections.	
	Notes: Tested Species: Species with positive results. Other applications have not been tested.	
	Optimal dilutions should be determined by end users.	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by	
	ABIN921231 in IHC(P).	
Restrictions:	For Research Use only	

### Handling

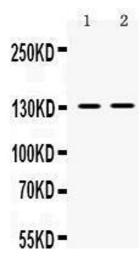
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu g/mL$ .
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.  It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

#### **Images**



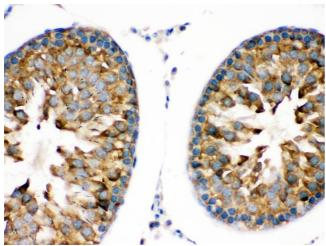
#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** TRPM5 was detected in paraffin-embedded sections of human prostatic cancer tissues using rabbit anti- TRPM5 Antigen Affinity purified polyclonal antibody at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method



#### **Western Blotting**

**Image 2.** Western blot analysis of TRPM5 expression in SMMC whole cell lysates (lane 1) and 293T whole cell lysates (lane 2). TRPM5 at 131KD was detected using rabbit anti- TRPM5 Antigen Affinity purified polyclonal antibody at 0.5  $\mu g/mL$ . The blot was developed using chemiluminescence (ECL) method



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** TRPM5 was detected in paraffin-embedded sections of rat testis tissues using rabbit anti- TRPM5 Antigen Affinity purified polyclonal antibody at 1  $\mu$ g/mL. The immunohistochemical section was developed using SABC method

Please check the product details page for more images. Overall 4 images are available for ABIN3044566.