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anti-TRPM4 antibody (AA 1079-1214)

2 Images



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Overview		
Quantity:	100 μg	
Target:	TRPM4	
Binding Specificity:	AA 1079-1214	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This TRPM4 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Purpose:	Rabbit IgG polyclonal antibody for Transient receptor potential cation channel subfamily M	
	member 4(TRPM4) detection. Tested with WB, IHC-P in Human, Mouse.	
Immunogen:	E.coli-derived human TRPM4 recombinant protein (Position: F1079-D1214). Human TRPM4	
	shares 76.8% and 77.8% amino acid (aa) sequence identity with mouse and rat TRPM4,	
	respectively.	
Isotype:	IgG	
Cross-Reactivity (Details):	No cross reactivity with other proteins.	
Characteristics:	Rabbit IgG polyclonal antibody for Transient receptor potential cation channel subfamily M	
	member 4(TRPM4) detection. Tested with WB, IHC-P in Human, Mouse.	
	Gene Name: transient receptor potential cation channel subfamily M member 4	

Product Details		
Purification:	Immunogen affinity purified.	
Target Details		
Target:	TRPM4	
Alternative Name:	TRPM4 (TRPM4 Products)	
Background:	Transient receptor potential cation channel subfamily M member 4 (hTRPM4), also known as melastatin-4, is a protein that in humans is encoded by the TRPM4 gene. It is mapped to 19q13.33. The protein encoded by this gene is a calcium-activated nonselective ion channel that mediates transport of monovalent cations across membranes, thereby depolarizing the membrane. The activity of the encoded protein increases with increasing intracellular calcium concentration, but this channel does not transport calcium. Two transcript variants encoding different isoforms have been found for this gene.	
	Synonyms: 1110030C19Rik antibody AW047689 antibody Calcium-activated non-selective cation channel 1 antibody FLJ20041 antibody hTRPM4 antibody Long transient receptor potential channel 4 antibody LTrpC-4 antibody LTrpC4 antibody Melastatin 4 antibody Melastatin like 2 protein antibody Melastatin-4 antibody Melastatin-like 2 antibody Melastatin-like 2 antibody Melastatin-like 3 antibody Transient receptor potential cation channel subfamily M member 4 antibody Transient receptor potential cation channel, subfamily M, member 4 antibody Trpm4 antibody TRPM4_HUMAN antibody TRPM4B antibody	
Gene ID:	54795	
Pathways:	Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response	
Application Details		
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, 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).	

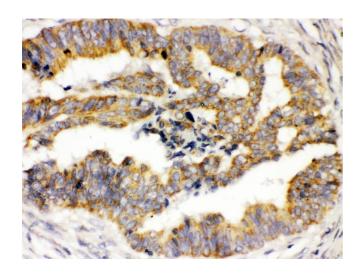
Application Details

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Restrictions:	For Research Use only

Handling

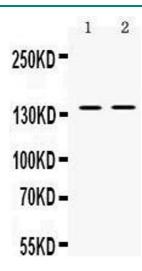
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu g/mL$.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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. TRPM4 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- TRPM4 Antigen Affinity purified polyclonal antibody at 1 μ g/mL. The immunohistochemical section was developed using SABC method



Western Blotting

Image 2. Western blot analysis of TRPM4 expression in mouse spleen extract (lane 1) and SW620 whole cell lysates (lane 2). TRPM4 at 134KD was detected using rabbit anti-TRPM4 Antigen Affinity purified polyclonal antibody at0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method