Datasheet for ABIN7172874

anti-TRPM8 antibody (AA 980-1104)

2 Images

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Overview

Quantity:	100 µL
Target:	TRPM8
Binding Specificity:	AA 980-1104
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPM8 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Transient receptor potential cation channel subfamily M member 8 protein (980-1104AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	TRPM8
Alternative Name:	TRPM8 (TRPM8 Products)
Background:	Background: Receptor-activated non-selective cation channel involved in detection of

Target Details

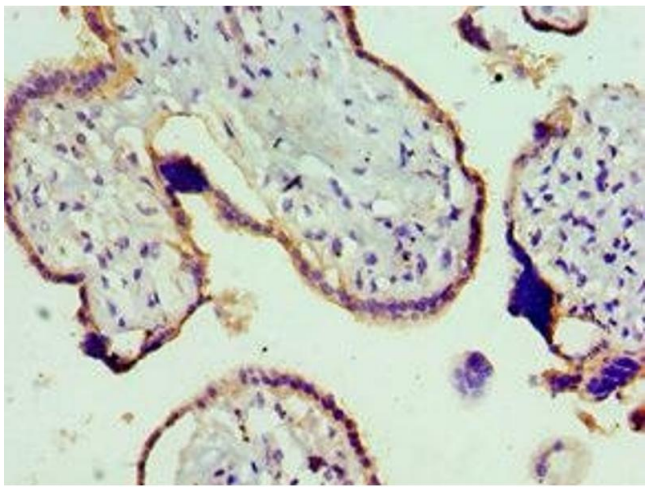
	sensations such as coolness, by being activated by cold temperature below 25 degrees Celsius. Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH . Involved in menthol sensation. Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium. Temperature sensing is tightly linked to voltage-dependent gating. Activated upon depolarization, changes in temperature resulting in graded shifts of its voltage-dependent activation curves. The chemical agonist menthol functions as a gating modifier, shifting activation curves towards physiological membrane potentials. Temperature sensitivity arises from a tenfold difference in the activation energies associated with voltage-dependent opening and closing. In prostate cancer cells, shows strong inward rectification and high calcium selectivity in contrast to its behavior in normal cells which is characterized by outward rectification and poor cationic selectivity. Plays a role in prostate cancer cell migration (PubMed:25559186). Isoform 2 and isoform 3 negatively regulate menthol- and cold-induced channel activity by stabilizing the closed state of the channel. Aliases: Long transient receptor potential channel 6 antibody, LTrpC-6 antibody, LTrpC6 antibody, MGC2849 antibody, Short form of the TRPM8 cationic channel antibody, Transient receptor potential cation channel subfamily M member 8 antibody, Transient receptor potential p8 antibody, transient receptor potential-p8 antibody, Trp p8 antibody, Trp-p8 antibody, Trpm8 antibody, TRPM8_HUMAN antibody, TRPP8 antibody
UniProt:	Q7Z2W7

Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only

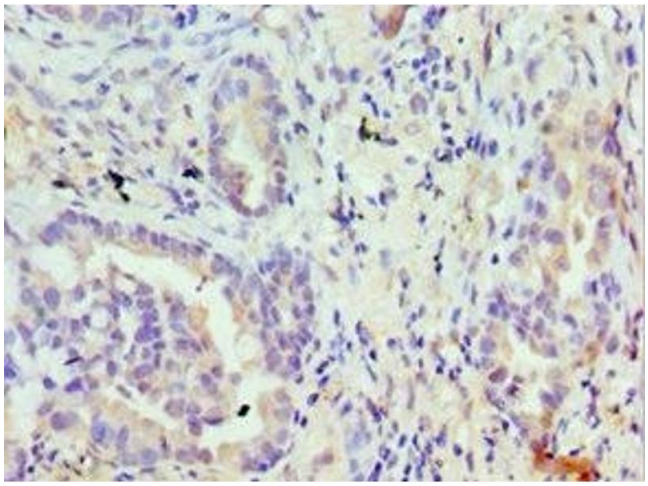
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
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:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7172874 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human lung cancer using ABIN7172874 at dilution of 1:100

