

Datasheet for ABIN1049435

anti-TRPM8 antibody (Internal Region)



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1 Image

Overview

Quantity:	50 µg
Target:	TRPM8
Binding Specificity:	Internal Region
Reactivity:	Human, Rat, Mouse, Guinea Pig, Dog, Rabbit, Horse, Bat, Hamster, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	<p>Synthetic 15 amino acid peptide from internal region of human TRPM8. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Baboon, Monkey, Mouse, Rat, Hamster, Elephant, Panda, Bat, Dog, Rabbit, Horse, Guinea pig, Turkey, Chicken, Armadillo, Platypus (100%), Galago, Marmoset, Bovine, Pig, Opossum, Xenopus (93%), Lizard (87%).</p> <p>Type of Immunogen: Synthetic peptide</p>
Specificity:	Human TRPM8. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except TRPM2 (60 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Baboon, Monkey, Mouse, Rat, Hamster, Elephant, Panda, Bat, Dog, Rabbit, Horse, Guinea pig, Turkey, Chicken, Armadillo, Platypus (100%) Galago, Marmoset, Bovine, Pig, Opossum, Xenopus (93%) Lizard (87%).

Product Details

Purification: Immunoaffinity purified

Target Details

Target: TRPM8

Alternative Name: TRPM8 ([TRPM8 Products](#))

Background: Name/Gene ID: TRPM8
Subfamily: Calcium channel - TRP
Family: Ion Channel

Synonyms: TRPM8, CMR1, Cold-menthol receptor type 1, LTrpC-6, TRPP8, Trp-p8, LTRPC6

Gene ID: 79054

Application Details

Application Notes: Approved: IHC, IHC-P (2.4 µg/mL)

Comment: Target Species of Antibody: Human

Assay Procedure: **The IHC-pro Immunohistochemistry Protocol**

Tissue Preparation

Formalin fixation and embedding in paraffin wax

Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes
Remove from heat and let stand at room temperature in buffer - 20 minutes
Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.
Apply a universal protein block – 20 minutes at room temperature.
Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.
Rinse slides in 1X TBST - 1 minute at room temperature.
Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.
Rinse slides 1X TBST – 1 minute at room temperature.
Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.
Rinse slides in 1X TBST - 1 minute at room temperature.
Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.
Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.
Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.
Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.
Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.
Wash slides in 3 changes of xylene – 1 minute each at room temperature.
Apply coverslip

Restrictions:	For Research Use only
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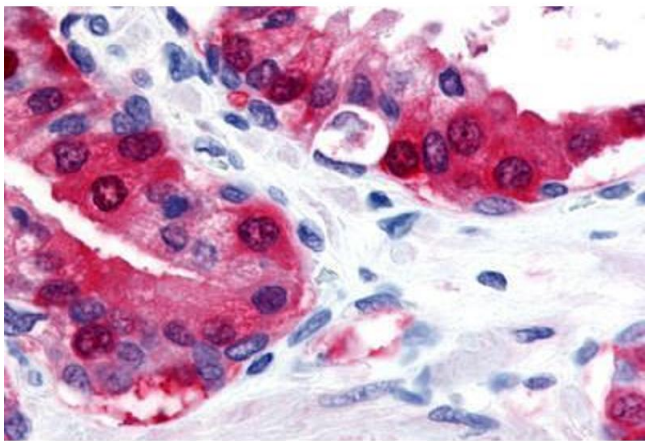
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-TRPM8 antibody ABIN1049435 IHC staining of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.