

# TRPM8 Polyclonal Antibody

Cat No: HR1AP13057

For research use only

## Overview

Product Name	TRPM8 Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human,Mouse,Rat
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	121kDa
GeneID?Human?	TRPM8 LTRPC6 TRPP8
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	
Background	<p>function:Receptor-activated non-selective cation channel involved in detection of 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 agonists 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.,miscellaneous:Its expression in most prostate tumors as well as the presence of an immunogenic epitope suggest that it may be suitable for the design of peptide vaccination strategies for prostate cancers.,miscellaneous:The sensation of coolness triggered by eucalyptol or menthol may be explained by the fact that menthol and cool temperatures sensations are detected by this protein.,similarity:Belongs to the transient receptor family. LTrpC subfamily.,tissue specificity:Expressed in prostate. Also expressed in most in prostate tumors. Also expressed in non-prostatic primary tumors such as colon, lung, breast and skin tumors.,</p>