Product datasheet

Anti-TRPM8 Antibody

Catalog Number: *PB0882*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Special NO.1, International Enterprise Center,
2nd Guanshan Road, Wuhan, China
Web: www.boster.com.cn ***Phone:*** +86 027-67845390 ***Fax:*** +86 027-67845390 ***Email:*** boster@boster.com.cn

Basic Information

Product Name	Anti-TRPM8 Antibody
Gene Name	TRPM8
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TRPM8 (1068-1104aa NTKANDTSEEMRHRFRQLDTKLNDLKGLLKEIANKIK), different from the related mouse sequence by four amino acids, and from the related rat sequence by two amino acids.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	127KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Transient receptor potential cation channel subfamily M member 8 (TRPM8), also known as the cold and menthol receptor 1 (CMR1), is a protein that in humans is encoded by the TRPM8 gene. TRPM8 is an ion channel, upon activation it allows the entry of Na+ (sodium) and Ca2+ (calcium) ions to the cell that leads to depolarization and the generation of an action potential. The signal is conducted from primary afferents (type C- and A-delta) eventually leading to the sensation of cold and cold pain. The TRPM8 protein is expressed in sensory neurons, and it is activated by cold temperatures and cooling agents, such as menthol and icilin whereas WS-12 and CPS-369 are the most selective agonist of TRPM8.

Selected Validation Data

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE

Anti-TRPM8 Antibody

Catalog Number: *PB0882*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Special NO.1, International Enterprise Center,
2nd Guanshan Road, Wuhan, China
Web: www.boster.com.cn ***Phone:*** +86 027-67845390 ***Fax:*** +86 027-67845390 ***Email:*** boster@boster.com.cn

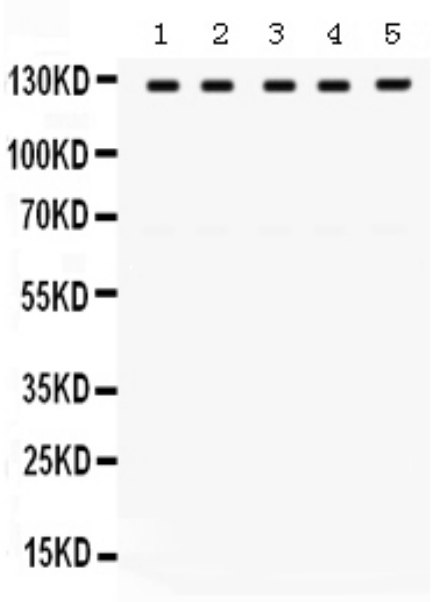

Figure 1. Western blot analysis of Anti-TRPM8 antibody (PB0882). The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: HELA whole cell lysates,Lane 2: 22RV1 whole cell lysates,Lane 3: SW620 whole cell lysates,Lane 4: A549 whole cell lysates,Lane 5: A431 whole cell lysates,Use rabbit Anti-TRPM8 1:1000, probed with a goat Anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for TRPM8 at approximately 127KD. The expected band size for TRPM8 is at 127KD.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE