

TRPM8 Polyclonal Antibody

Catalog number: 12813-1-AP

Size: 23 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

TRPM8; LTrpC 6, LTRPC6, Trp p8, TRPM8, TRPP8

Background

TRPM8, also known as CMR1 (cold-menthol receptor-1), is a nonselective cation channel activated by cold and the cooling substances menthol and icilin (PMID: 11893340; 11882888). It serves as a neuronal sensor of cold temperatures. Functioning TRPM8 channels are required for behavioral responses to innocuous cool, noxious cold, injury-evoked cold hypersensitivity, and cooling-mediated analgesia (PMID: 17538622; 21438154; 16920620; 21984952). Additionally, TRPM8 has also been reported to be involved in thermoregulation and the regulation of basal tear flow (PMID: 21407809; 21076394). TRPM8 is expressed extensively in sensory nerves, human prostate and overexpressed in a variety of cancers including prostate, breast, lung, colon and skin melanomas (PMID: 11325849; 20816009).

Applications

Tested applications: ELISA
Species specificity: Human, Mouse, Rat; other species not tested.
Calculated TRPM8 MW: 1104aa, 128 kDa
Observed TRPM8 MW:

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen: Ag3483
GenBank accession number: BC001135
Gene ID (NCBI): 79054
Full name: Transient receptor potential cation channel, subfamily M, member 8

Product information

Purification method: Antigen affinity purification
Storage: PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.