

Polyclonal Antibody to TRPM8

Alternate names:	TRPM-8
Catalog No.:	SP5481P
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Host:	Rabbit
Immunogen:	Synthetic peptides of Hu trpm8 residues 278-292 [RNQLEKYISERTIQD] and C-terminus [NDLKGLLKEIANKIK]

Format: This antibody is supplied as liquid, purified Ig fraction in PBS pH 7.2, containing 0.02% Sodium Azide as preservative.

Applications: Western Blot (1/500). Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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Specificity: TRPM8 is a nonselective cation channel, activated by cold temperatures, voltage, and menthol. The receptor is a member of the transient receptor potential (TRP) family of excitatory ion channels. TRPM8 protein is expressed in the dorsal root ganglion (DRG) of rats as well as in other normal tissues (e.g. prostate epithelial cells). TRPM8 mRNA expression appears to be elevated in prostate cancer. TRPM8 mRNA is also expressed in a number of non-prostatic primary tumors of the breast, colon, lung and skin origin. SP5481P detects TRPM8 in Human samples. The sequence of the immunizing peptides is 100% conserved between almost all species (mouse, rat, canine, bovine, chimpanzee, Xenopus), so a broad species crossreactivity can be expected.

Storage: Store the antibody at 4°C for up to two weeks or aliquot and store at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Reference: Tsavaler L., Shapero M.H., Morkowski S., and Laus R. Can