

## Anti-TRPM8 (Extracellular region) Antibody Catalog # AN1996

### Specification

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#### Anti-TRPM8 (Extracellular region) Antibody - Product Information

Application	WB
Primary Accession	<a href="#">Q7Z2W7</a>
Reactivity	Bovine
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Calculated MW	127685

#### Anti-TRPM8 (Extracellular region) Antibody - Additional Information

Gene ID **79054**

##### Other Names

LTrpC6, TRPp8, TRP, TRPM8,

##### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

##### Precautions

Anti-TRPM8 (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

##### Shipping

Blue Ice

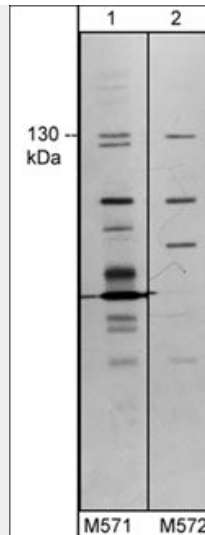
#### Anti-TRPM8 (Extracellular region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

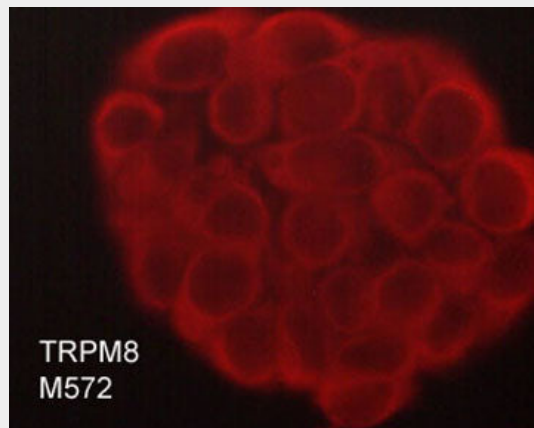
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-TRPM8 (Extracellular region) Antibody - Images





Western blot image of human TRPM8 in human MDA-MB-231 cells. The blot was probed with mouse monoclonal anti-TRPM8 (extracellular region) clone M571 (lane 1) or clone M572 (lane 2).



Immunocytochemical labeling of TRPM8 in paraformaldehyde fixed and NP-40 permeabilized MCF-7 cells. The cells were labeled with mouse monoclonal anti-TRPM8 (M572). The antibody was detected using goat anti-mouse DyLight® 594.

### **Anti-TRPM8 (Extracellular region) Antibody - Background**

The Transient Receptor Potential Melastatin (TRPM) subfamily of cation-permeable channels is ubiquitous in mammalian tissues. This family includes TRPM1-8. In addition to acting as a calcium-permeant channel, some TRPM family members, TRPM6 and TRPM7, possess serine/threonine kinase activity and autophosphorylation. TRPM8 is thermoactivated at mildly cold temperatures (>25°C), and can also be activated by compounds that cause a cooling sensation, such as menthol and icilin. TRPM8 is expressed in trigeminal and dorsal root ganglia neurons where it confers sensitivity to cold in the somatosensory system. In vascular smooth muscle, TRPM8 may alter blood flow by constricting or enlarging blood vessels. TRPM8 is also expressed in normal prostate epithelial cells, as well as overexpressed in several primary tumors including colon, lung, skin, breast, and prostate cancers.