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Anti-TRPM8 (Extracellular region) Antibody
Catalog # AN1997

Specification

Anti-TRPM8 (Extracellular region) Antibody - Product Information

Application	**WB**
Primary Accession	Q7Z2W7
Reactivity	**Bovine**
Host	**Rabbit**
Clonality	**Rabbit Polyclonal**
Isotype	**IgG**
Calculated MW	**127685**

Anti-TRPM8 (Extracellular region) Antibody - Additional Information

Gene ID	**79054**

Other Names
LTrpC6, TRPp8, TRP, TRPM8,

Dilution
WB~~1:1000

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 Cytomety
- Cell Culture

Anti-TRPM8 (Extracellular region) Antibody - Images

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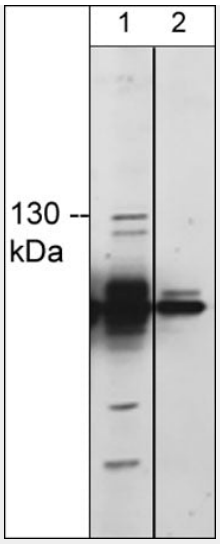
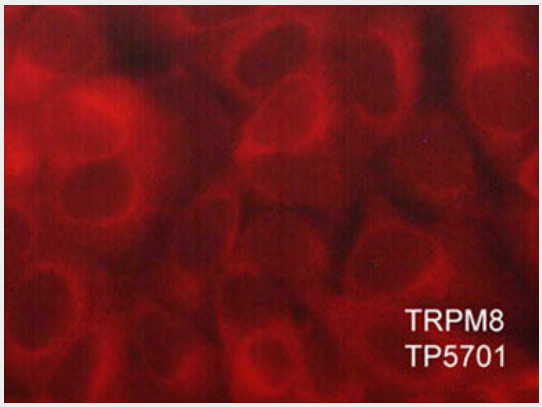


Western blot image of human TRPM8 in human MDA-MB-231 cells. The blot was probed with rabbit polyclonal anti-TRPM8 (extracellular region) without peptide blocking (lane 1) or with peptide blocking (lane 2).



Immunocytochemical labeling of TRPM8 in paraformaldehyde fixed and NP-40 permeabilized MCF-7 cells. The cells were labeled with rabbit polyclonal anti-TRPM8 (TP5701). The antibody was detected using goat anti-rabbit 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 (>25oC), 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.