

Datasheet for ABIN3029242
anti-TRPM8 antibody (AA 263-292)[Go to Product page](#)

5 Images

Overview

| | |
|----------------------|---|
| Quantity: | 0.4 mL |
| Target: | TRPM8 |
| Binding Specificity: | AA 263-292 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TRPM8 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| | |
|---------------|--|
| Immunogen: | A portion of amino acids 263-292 from the human protein was used as the immunogen for this TRPM8 antibody. |
| Isotype: | Ig Fraction |
| Purification: | Purified |

Target Details

| | |
|-------------------|---|
| Target: | TRPM8 |
| Alternative Name: | TRPM8 (TRPM8 Products) |
| Background: | Receptor-activated non-selective cation channel involved in detection of sensations such as coolness, by being activated by cold temperature below 25 degrees Celsius. Activated by icilin, eucalyptol, menthol, cold and modulation of intracellular pH . Involved in menthol sensation. |

Target Details

Permeable for monovalent cations sodium, potassium, and cesium and divalent cation calcium. Temperature sensing is tightly linked to voltage-dependent gating. Activated upon depolarization, changes in temperature resulting in graded shifts of its voltage-dependent activation curves. The chemical agonists menthol functions as a gating modifier, shifting activation curves towards physiological membrane potentials. Temperature sensitivity arises from a tenfold difference in the activation energies associated with voltage-dependent opening and closing.

UniProt: [Q7Z2W7](#)

Application Details

Application Notes: Titration of the TRPM8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100,Immunofluorescence: 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

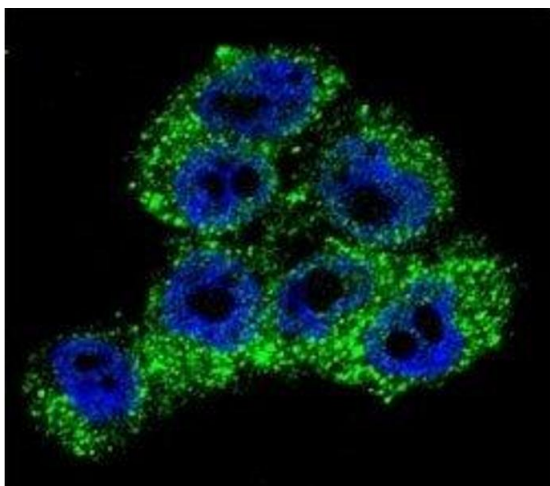
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

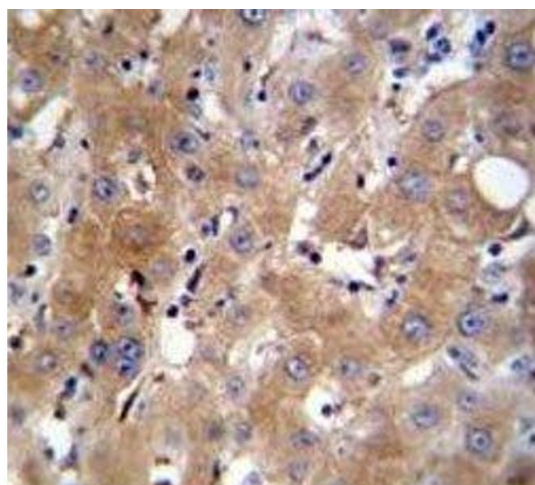
Storage: -20 °C

Storage Comment: Aliquot the TRPM8 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



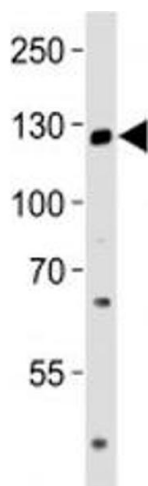
Immunofluorescence

Image 1. Confocal immunofluorescent analysis of TRPM8 antibody with A375 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Immunohistochemistry

Image 2. TRPM8 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue.



Western Blotting

Image 3. Western blot analysis of lysate from LNCaP cell line using TRPM8 antibody at 1:1000. Predicted molecular weight ~128 kDa.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3029242.