

Datasheet for ABIN2485243
anti-TRPV3 antibody (AA 458-474) (FITC)[Go to Product page](#)

5 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µg |
| Target: | TRPV3 |
| Binding Specificity: | AA 458-474 |
| Reactivity: | Rat |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This TRPV3 antibody is conjugated to FITC |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunofluorescence (IF), Antibody Array (AA) |

Product Details

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|-------------------|---|
| Immunogen: | Synthetic peptide amino acids 458-474 (cytoplasmic C-terminus) of rat TrpV3 |
| Clone: | N15-39 (Formerly S15-39) |
| Isotype: | IgG2a |
| Specificity: | Detects ~70 kDa. |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Protein G Purified |

Target Details

| | |
|---------|-------|
| Target: | TRPV3 |
|---------|-------|

Target Details

| | |
|-------------------|--|
| Alternative Name: | TRPV3 (TRPV3 Products) |
| Background: | The TRPV3 protein belongs to a family of non-selective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermo sensitive members of this family are expressed in subsets of sensory neurons that terminate in the skin, and are activated at distinct physiological temperatures. This channel is activated at temperatures between 22 and 40 degrees C. The gene lies in close proximity to another family member (TRPV1) gene on chromosome 17, and the two encoded proteins are thought to associate with each other to form heteromeric channels (1, 2). |
| Gene ID: | 497948 |
| NCBI Accession: | NP_001020928 |
| UniProt: | Q4QYD9 |

Application Details

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|--------------------|---|
| Application Notes: | <ul style="list-style-type: none">• WB (1:1000)• IHC (1:1000)• ICC/IF (1:100)• optimal dilutions for assays should be determined by the user. |
| Comment: | 1 µg/ml of ABIN2485243 was sufficient for detection of TrpV3 in 10 µg of COS-1 cell lysate transiently transfected with TrpV3 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody |
| Restrictions: | For Research Use only |

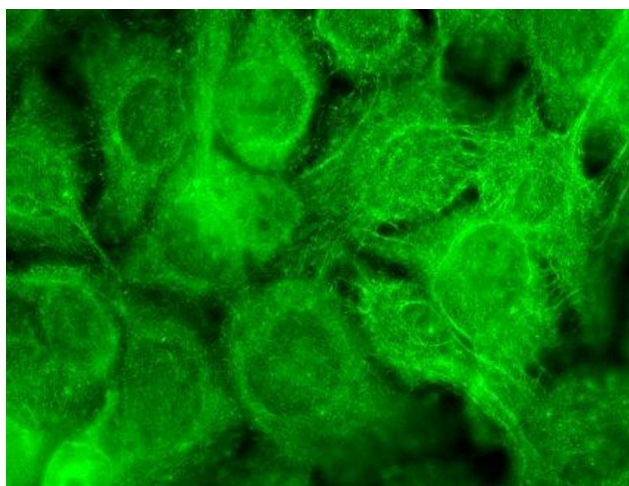
Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated |
| 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: | 4 °C |
| Storage Comment: | Conjugated antibodies should be stored at 4°C |



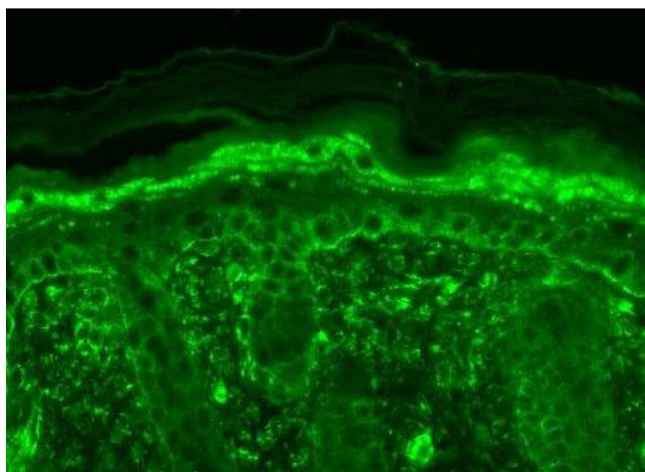
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39 (ABIN2485243). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100 % methanol for 10 minutes at -20 °C. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody (ABIN2485243) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Dotty staining in all cells. Some intermediate filament-like staining in some cells.



Immunofluorescence (fixed cells)

Image 2. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39 . Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20°C. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Dotty staining in all cells. Some intermediate filament-like staining in some cells.



Immunohistochemistry

Image 3. Immunohistochemistry analysis using Mouse Anti-TrpV3 Monoclonal Antibody, Clone S15-39 . Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpV3 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Filaggrin-like staining in upper layers. Dull lower layer cell staining. Some stain seen in hypodermis.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2485243.