



[Go to Product page](#)

Datasheet for ABIN2485431

anti-TRPC7 antibody (AA 845-862) (HRP)

5 Images

Overview

Quantity:	100 µg
Target:	TRPC7
Binding Specificity:	AA 845-862
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TRPC7 antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Immunocytochemistry (ICC), Antibody Array (AA)

Product Details

Immunogen:	Synthetic peptide amino acids 845-862 of human TRPC7
Clone:	N64A-36 (Formerly S64A-36)
Isotype:	IgG1
Specificity:	Detects ~100 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	TRPC7
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Target Details

Alternative Name: TRPC7 ([TRPC7 Products](#))

Background: Transient receptor potential cation channel, subfamily C, member 7, also known as TRPC7, is a non-selective cation channel that is directly activated by DAG. TrpC7 shows constitutive activity and susceptibility to negative regulation by extracellular Ca²⁺. Because of this, TrpC7 plays an important role in the Ca²⁺ signaling pathway (1). TrpC7 is also expressed abundantly in the heart, and combined with its ability to act as a Ca²⁺ channel, TrpC7 might contribute to the process of heart failure (2).

Gene ID: 57113

NCBI Accession: [NP_065122](#)

UniProt: [Q9HCX4](#)

Application Details

Application Notes:

- 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 ABIN2485431 was sufficient for detection of TrpC7 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

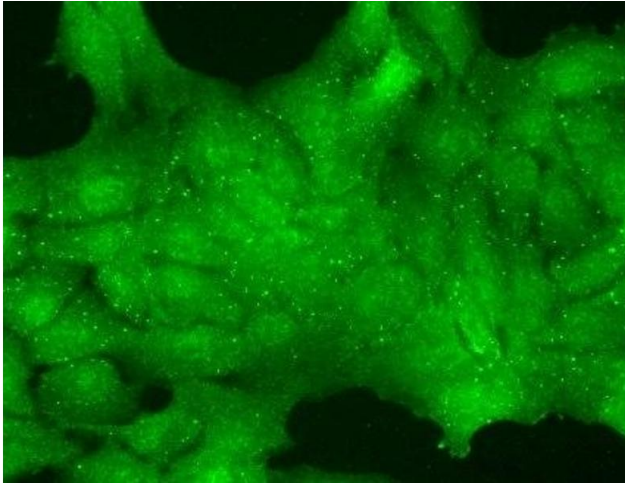
Buffer: PBS pH 7.4, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated

Preservative: Sodium azide

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

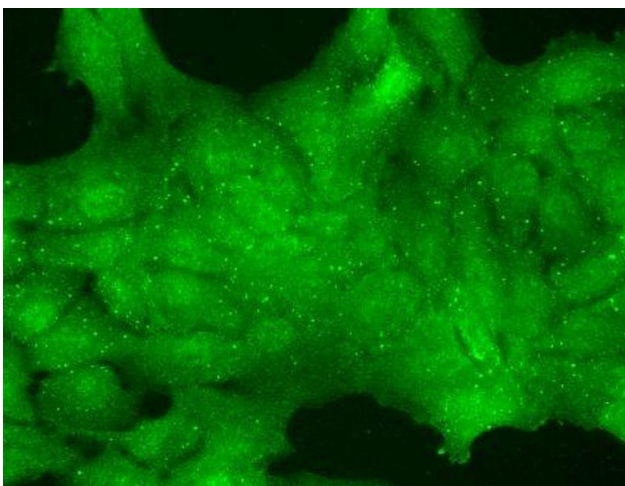
Storage: 4 °C

Storage Comment: Conjugated antibodies should be stored at 4°C



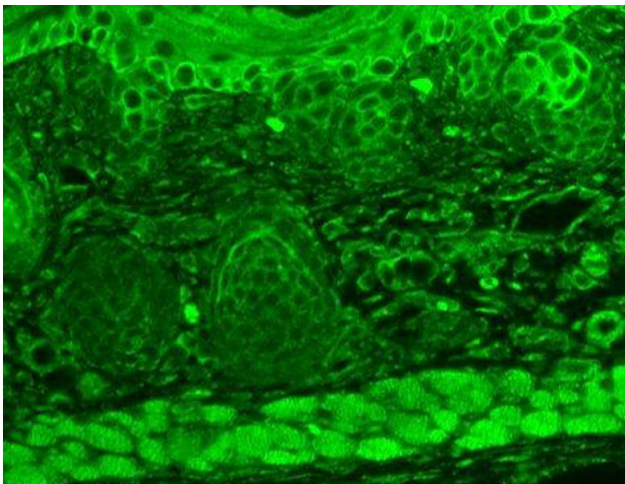
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpC7 Monoclonal Antibody, Clone N64A/36 (ABIN2485431). Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20 °C. Primary Antibody: Mouse Anti-TrpC7 Monoclonal Antibody (ABIN2485431) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Nuclear staining .



Immunofluorescence (fixed cells)

Image 2. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-TrpC7 Monoclonal Antibody, Clone S64A-36 . Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20°C. Primary Antibody: Mouse Anti-TrpC7 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: Nuclear staining .



Immunohistochemistry

Image 3. Immunohistochemistry analysis using Mouse Anti-TrpC7 Monoclonal Antibody, Clone S64A-36 . Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-TrpC7 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: Everything.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2485431.