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# anti-TRPV1 antibody

3 Images



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#### Overview

Quantity:	200 μL
Target:	TRPV1
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPV1 antibody is un-conjugated
Application:	Immunofluorescence (IF)

# **Product Details**

lmmunogen:	A synthetic peptide of human TRPV1 (NP_061197.4).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

# **Target Details**

Target:	TRPV1
Alternative Name:	TRPV1 (TRPV1 Products)
Background:	Capsaicin, the main pungent ingredient in hot chili peppers, elicits a sensation of burning pain by selectively activating sensory neurons that convey information about noxious stimuli to the
	central nervous system. The protein encoded by this gene is a receptor for capsaicin and is a non-selective cation channel that is structurally related to members of the TRP family of ion

### **Target Details**

channels. This receptor is also activated by increases in temperature in the noxious range, suggesting that it functions as a transducer of painful thermal stimuli in vivo. Four transcript variants encoding the same protein, but with different 5' UTR sequence, have been described for this gene.

Gene ID: 7442

UniProt: Q8NER1

Pathways: Dicarboxylic Acid Transport

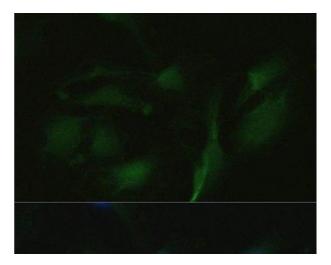
## **Application Details**

Application Notes: IF 1:50-1:200

Restrictions: For Research Use only

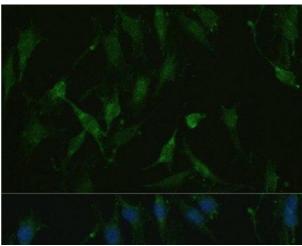
### Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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:	Store at -20°C. Avoid freeze / thaw cycles.



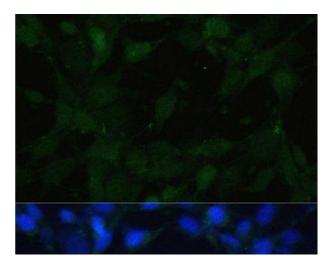
#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of U2OS cells using TRPV1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### **Immunofluorescence**

**Image 2.** Immunofluorescence analysis of C6 cells using TRPV1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of NIH/3T3 cells using TRPV1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.