

# TRPV1 Rabbit Polyclonal Antibody



CAB8564

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

112kDa

### Calculated MW:

94kDa

### Applications:

WB IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein 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 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.

## Immunogen information

### Gene ID:

7442

### Uniprot

Q8NER1

### Synonyms:

TRPV1; VR1

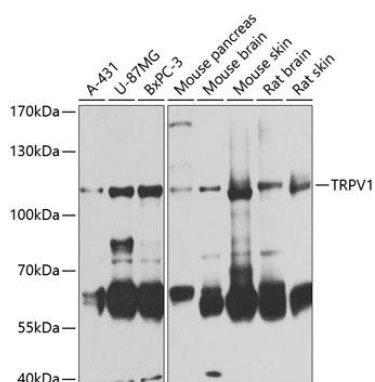
### Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 400-500 of human TRPV1 (NP\_061197.4).

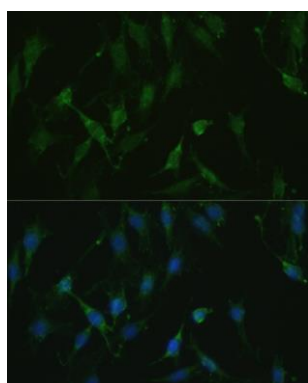
### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

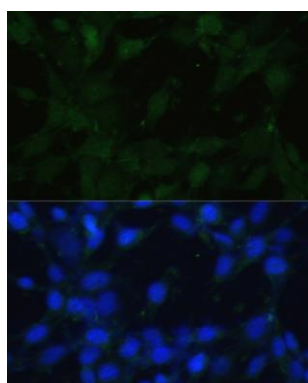
## Product Images



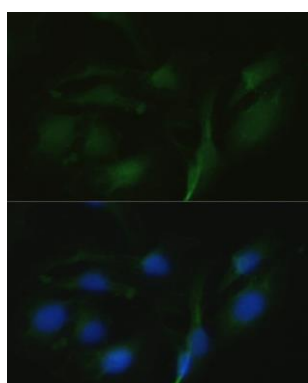
Western blot analysis of extracts of various cell lines, using TRPV1 antibody (CAB8564) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 60s.



Immunofluorescence analysis of C6 cells using TRPV1 antibody (CAB8564) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using TRPV1 antibody (CAB8564) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using TRPV1 antibody (CAB8564) at dilution of 1:100. Blue: DAPI for nuclear staining.