

TRPV1 Rabbit Polyclonal Antibody

Catalog No: #29223

Package Size: #29223-1 50ul #29223-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

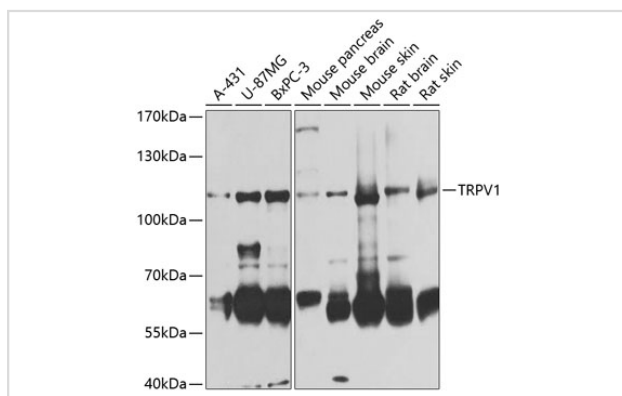
Product Name	TRPV1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human TRPV1 (NP_061197.4).
Other Names	TRPV1;VR1
Accession No.	Swiss-Prot#:Q8NER1NCBI Gene ID:7442
Uniprot	Q8NER1
GeneID	7442;
Calculated MW	94kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

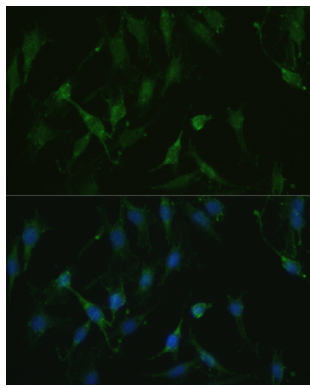
WB □ 1:500 - 1:2000

IF □ 1:50 - 1:200

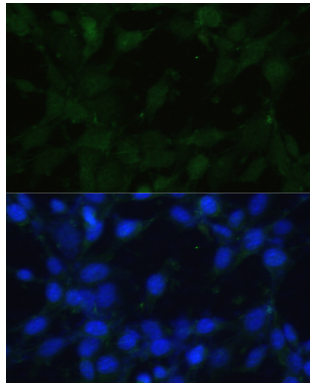
Images



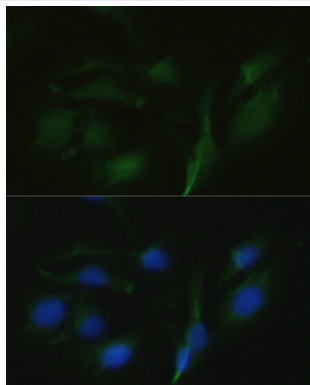
Western blot analysis of extracts of various cell lines, using TRPV1 at 1:1000 dilution.



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



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



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

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.

Note: This product is for in vitro research use only