

## TRPV1 Polyclonal Antibody

<b>Catalog No.</b>	A8564	<b>Category</b>	Polyclonal Antibodies
<b>Applications</b>	WB, IF	<b>Observed MW</b>	112kDa
<b>Cross-reactivity</b>	Human, Mouse, Rat	<b>Calculated MW</b>	94kDa

### Immunogen Information

<b>Immunogen</b>	A synthetic peptide corresponding to a sequence within amino acids 400-500 of human TRPV1 (NP_061197.4).
<b>Gene ID</b>	7442
<b>Swiss prot</b>	Q8NER1
<b>Synonyms</b>	TRPV1; VR1; transient receptor potential cation channel subfamily V member 1

### Product information

<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

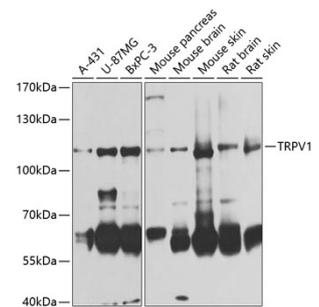
### Background

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.

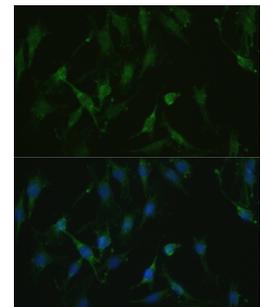
### Recommended Dilutions

WB 1:500 -  
1:2000

IF 1:50 -  
1:200



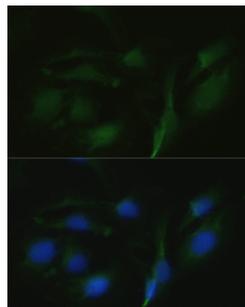
Western blot - TRPV1 Polyclonal Antibody (A8564)



Immunofluorescence - TRPV1 Polyclonal Antibody (A8564)



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