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Product datasheet for TA890016

VR1 (TRPV1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human TRPV1
Formulation:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	1.48mg/ml
Purification:	Purified from the immunized serum by affinity chromatography (Protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	94.8 kDa
Gene Name:	transient receptor potential cation channel subfamily V member 1
Database Link:	NP_542435 Entrez Gene 83810 RatEntrez Gene 193034 MouseEntrez Gene 7442 Human Q8NER1
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. [provided by RefSeq, Jul 2008]
Synonyms:	VR1

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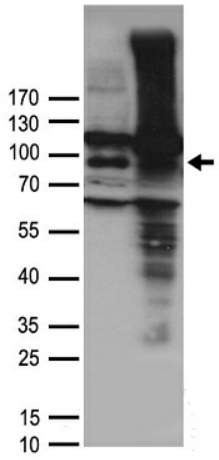
Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TRPV1 (Cat# [RC217653], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TRPV1 antibody (Cat#TA890016). Positive lysates [LY403317] (100ug) and [LC403317] (20ug) can be purchased separately from OriGene.

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