

For Research Use Only

# TRPV1 Monoclonal antibody, PBS Only



Catalog Number: 66983-1-PBS

## Basic Information

<b>Catalog Number:</b> 66983-1-PBS	<b>GenBank Accession Number:</b> BC132820	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7442	<b>CloneNo.:</b> 1A3C9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8NER1	
<b>Isotype:</b> IgG1	<b>Full Name:</b> transient receptor potential cation channel, subfamily V, member 1	
<b>Immunogen Catalog Number:</b> AG18683	<b>Calculated MW:</b> 839 aa, 95 kDa	
	<b>Observed MW:</b> 105 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human

## Background Information

TRPV1, also named as VR1 or OTRPC1, belongs to the transient receptor potential (TRP) family and TRPV subfamily (PMID: 17579562). TRPV1 is a ligand-activated non-selective calcium permeant cation channel expressed predominantly by sensory neurons (PMID: 10821274). It is involved in detection of noxious chemical and thermal stimuli. TRPV1 plays an important role in inflammatory thermal hyperalgesia (PMID: 10764638; 10821274).

## Storage

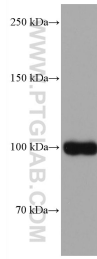
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 66983-1-Ig (TRPV1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66983-1-PBS in a different storage buffer formulation.