

For Research Use Only

# TRPV1 Monoclonal antibody

Catalog Number: 66983-1-Ig **52 Publications**



## Basic Information

<b>Catalog Number:</b> 66983-1-Ig	<b>GenBank Accession Number:</b> BC132820	<b>Purification Method:</b> Protein G purification
<b>Source:</b> Mouse	<b>GeneID (NCBI):</b> 7442	<b>CloneNo.:</b> 1A3C9
<b>Isotype:</b> IgG1	<b>UNIPROT ID:</b> Q8NER1	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000
<b>Immunogen Catalog Number:</b> AG18683	<b>Full Name:</b> transient receptor potential cation channel, subfamily V, member 1	
	<b>Calculated MW:</b> 839 aa, 95 kDa	
	<b>Observed MW:</b> 105 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, ColP	<b>WB :</b> HepG2 cells, MDA-MB-468 cells, T-47D cells, HEK-293 cells, Y79 cells, HUVEC cells
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, sheep	

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhongyang Lv	36137413	EBioMedicine	WB
Sampurna Chakrabarti	34544757	eNeuro	
Zhongyang Lv	34006826	Cell Death Dis	

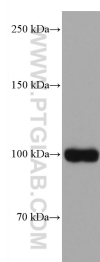
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.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.