

For Research Use Only

# TRPV1 Monoclonal antibody

Catalog Number: 66983-1-Ig **31 Publications**



## Basic Information

Catalog Number:

66983-1-Ig

Size:

1000  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG18683

GenBank Accession Number:

BC132820

GeneID (NCBI):

7442

UNIPROT ID:

Q8NER1

Full Name:

transient receptor potential cation channel, subfamily V, member 1

Calculated MW:

839 aa, 95 kDa

Observed MW:

105 kDa

Purification Method:

Protein A purification

CloneNo.:

1A3C9

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human, sheep

Positive Controls:

WB : HepG2 cells, MDA-MB-468 cells, T-47D cells, HEK-293 cells, Y79 cells, HUVEC cells

## 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	
Dingding Liu	35350752	Front Pharmacol	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

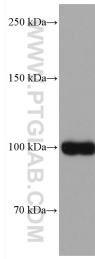
T: 4006900926

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.