

TRPV1 Monoclonal antibody

Catalog Number: 66983-1-Ig

31 Publications

Basic Information

Catalog Number:

66983-1-Ig

Size:

1000 µg/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

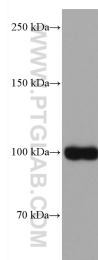
For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.