

For Research Use Only

TRPV1 Monoclonal antibody

Catalog Number: 66983-1-Ig **9 Publications**



Basic Information

Catalog Number: 66983-1-Ig	GenBank Accession Number: BC132820	Purification Method: Protein A purification
Size: 150ul , Concentration: 1180 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7442	CloneNo.: 1A3C9
Source: Mouse	Full Name: transient receptor potential cation channel, subfamily V, member 1	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG1	Calculated MW: 839 aa, 95 kDa	
Immunogen Catalog Number: AG18683	Observed MW: 105 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, MDA-MB-468 cells, T-47D cells, HEK-293 cells, Y79 cells, HUVEC cells
Cited Applications: IF, IHC, WB	
Species Specificity: Human	
Cited Species: human, mouse, rat, 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,IF
Sampurna Chakrabarti	34544757	eNeuro	IHC
Dingding Liu	35350752	Front Pharmacol	WB,IHC

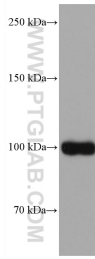
Storage

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: 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.