

For Research Use Only

# TRPV1 Polyclonal antibody

Catalog Number: 22686-1-AP 12 Publications



## Basic Information

<b>Catalog Number:</b> 22686-1-AP	<b>GenBank Accession Number:</b> BC132820	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 447 $\mu$ g/ml	<b>GeneID (NCBI):</b> 7442	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NER1	
<b>Isotype:</b> IgG	<b>Full Name:</b> transient receptor potential cation channel, subfamily V, member 1	
<b>Immunogen Catalog Number:</b> AG18583	<b>Calculated MW:</b> 839 aa, 95 kDa	
	<b>Observed MW:</b> 95 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB: PC-12 cells, IHC: human skin tissue, mouse skin tissue, human colon tissue
<b>Cited Applications:</b> WB, IF, IHC	
<b>Species Specificity:</b> human, rat, mouse	
<b>Cited Species:</b> human, mouse, rat	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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
Zhen Guo	31563651	Eur J Pharmacol	WB
Su-Shan Zhang	29188798	Acta Pharmacol Sin	WB
John Joseph	31676602	J Neurosci	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:

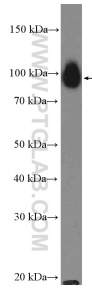
T: 4006900926

E: Proteintech-CN@ptglab.com

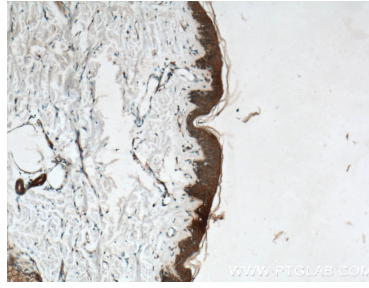
W: ptgcn.com

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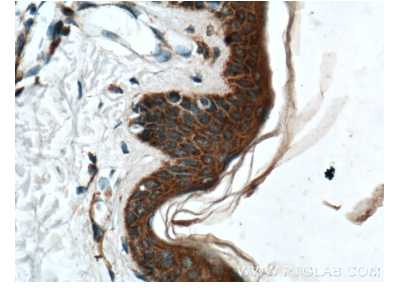
## Selected Validation Data



PC-12 cells were subjected to SDS PAGE followed by western blot with 22686-1-AP (TRPV1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 22686-1-AP (TRPV1 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 22686-1-AP (TRPV1 Antibody) at dilution of 1:200 (under 40x lens).