

For Research Use Only

TRPV1 Polyclonal antibody

Catalog Number: 22686-1-AP **8 Publications**



Basic Information

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|--|---|--|
| Catalog Number: 22686-1-AP | GenBank Accession Number: BC132820 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 447 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 7442 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 |
| Source: Rabbit | Full Name: transient receptor potential cation channel, subfamily V, member 1 | |
| Isotype: IgG | Calculated MW: 839 aa, 95 kDa | |
| Immunogen Catalog Number: AG18583 | Observed MW: 95 kDa | |

Applications

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

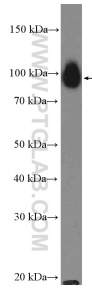
Storage

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

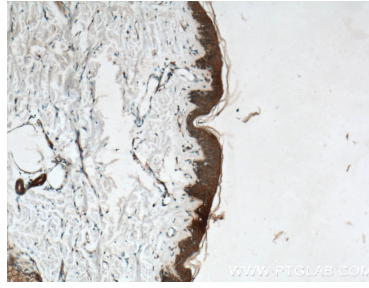
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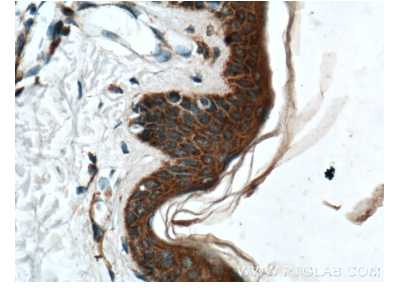
Selected Validation Data



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).