

Transient receptor potential cation channel subfamily V member 1

Catalog No: #AP78873

Orders: order@signalwayantibody.com

Package Size: #AP78873-1 50ug #AP78873-2 100ug #AP78873-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Transient receptor potential cation channel subfamily V member 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	Recombinant protein
Other Names	VR1,Capsaicin receptor,Osm-9-like TRP channel 1,Vanilloid receptor 1,OTRPC1
Accession No.	Q8NER1Gene name:TRPV1
Uniprot	Q8NER1
GeneID	7442;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Ligand-activated non-selective calcium permeant cation channel involved in detection of noxious chemical and thermal stimuli. Seems to mediate proton influx and may be involved in intracellular acidosis in nociceptive neurons. Involved in mediation of inflammatory pain and hyperalgesia. Sensitized by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases, which involves PKC isozymes and PCL. Activation by vanilloids, like capsaicin, and temperatures higher than 42 degrees Celsius, exhibits a time- and Ca²⁺-dependent outward rectification, followed by a long-lasting refractory state. Mild extracellular acidic pH (6.5) potentiates channel activation by noxious heat and vanilloids, whereas acidic conditions (pH

References

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Note: This product is for in vitro research use only