

TrpV1 Antibody

Catalog No: #62257

Package Size: #62257-1 100ug

Description

Product Name	TrpV1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	MR4533
Isotype	IgG2a
Purification	Protein A/G purified from cell culture supernatant.
Applications	WB,IHC,IF,FC
Species Reactivity	Human
Target Name	TRPV1
Other Names	VR1, Vanilloid receptor 1, Transient receptor potential cation channel subfamily V member 1, Capsaicin receptor, Osm-9-like TRP channel 1, TrpV1, TRPV1, OTRPC1
Calculated MW	95kD
Formulation	0.01M PBS, pH 7.4.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Background

Non-selective calcium permeant cation channel involved in detection of noxious chemical and thermal stimuli (PubMed:11050376, PubMed:11243859, PubMed:11226139, PubMed:12077606). 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. Activated by vanilloids, like capsaicin, and temperatures higher than 42 degrees Celsius (PubMed:37117175). Upon activation, 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

Note: This product is for in vitro research use only and is not intended for use in humans or animals.