

ARG67244
anti-TRPV4 antibodyPackage: 100 µl
Store at: -20°C**Summary**

Product Description	Rabbit Polyclonal antibody recognizes TRPV4
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TRPV4
Species	Human
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TRPV4.
Conjugation	Un-conjugated
Alternate Names	TRPV4; Transient Receptor Potential Cation Channel Subfamily V Member 4; OTRPC4; TRP12; VROAC; VR-OAC; VRL-2; CMT2C; Osmosensitive Transient Receptor Potential Channel 4; Transient Receptor Potential Protein 12; Vanilloid Receptor-Like Channel 2; Osm-9-Like TRP Channel 4; VRL2; Transient Receptor Potential Cation Channel, Subfamily V, Member 4; Vanilloid Receptor-Related Osmotically Activated Channel; Vanilloid Receptor-Related Osmotically-Activated Channel; OSM9-Like Transient Receptor Potential Channel 4; Vanilloid Receptor-Like Protein 2; HMSN2C; SSQTL1; BCYM3; SPSMA; TrpV4; SMAL

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:1000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

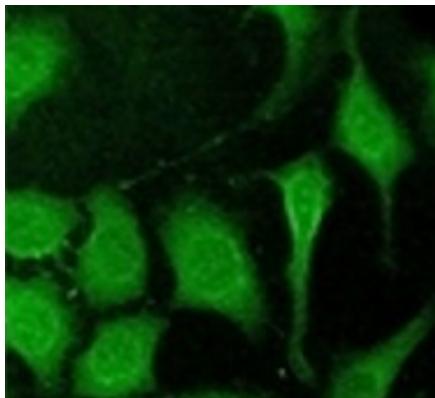
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

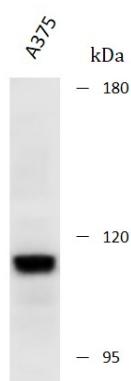
Gene Symbol	TRPV4
Gene Full Name	Transient Receptor Potential Cation Channel Subfamily V Member 4
Background	This gene encodes a member of the OSM9-like transient receptor potential channel (OTRPC) subfamily in the transient receptor potential (TRP) superfamily of ion channels. The encoded protein is a Ca ²⁺ -permeable, nonselective cation channel that is thought to be involved in the regulation of systemic osmotic pressure. Mutations in this gene are the cause of spondylometaphyseal and metatropic dysplasia and hereditary motor and sensory neuropathy type IIC. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]
Function	In neurons of the central nervous system, could play a role in triggering voluntary water intake in response to increased sodium concentration in body fluid. [Uniprot]
Calculated Mw	98 kDa
PTM	Phosphoprotein. [Uniprot]
Cellular Localization	Cell junction, Cell membrane, Cell projection, Cilium, Endoplasmic reticulum, Membrane. [Uniprot]

Images



ARG67244 anti-TRPV4 antibody ICC/IF image

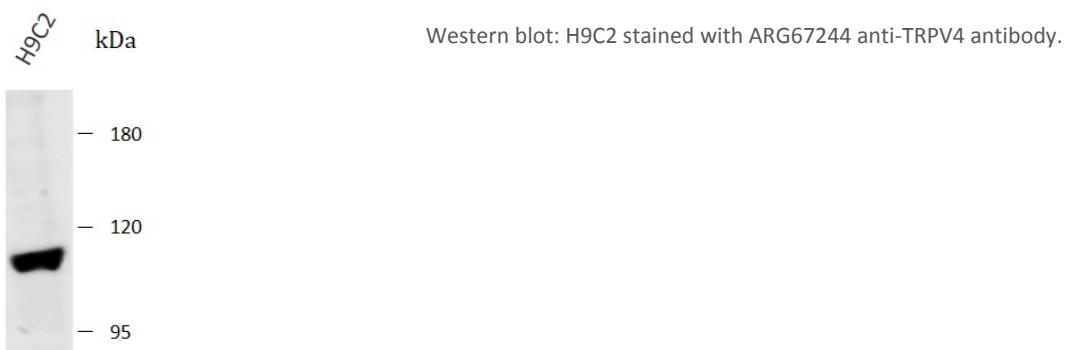
Immunofluorescence: A549 stained with ARG67244 anti-TRPV4 antibody.



ARG67244 anti-TRPV4 antibody WB image

Western blot: A375 stained with ARG67244 anti-TRPV4 antibody.

ARG67244 anti-TRPV4 antibody WB image



ARG67244 anti-TRPV4 antibody WB image

