

ARG22283 anti-TRPV3 antibody [S15-4]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S15-4] recognizes TRPV3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	Detects ~70kDa.
Host	Mouse
Clonality	Monoclonal
Clone	S15-4
Isotype	IgG2a
Target Name	TRPV3
Species	Rat
Immunogen	Synthetic peptide around aa. 774-791 (C-terminus) of Rat TrpV3
Conjugation	Un-conjugated
Alternate Names	VRL3; VRL-3; TrpV3; Transient receptor potential cation channel subfamily V member 3; OLMS; Vanilloid receptor-like 3; FNEPPK2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	IHC-P	1:100
	IP	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

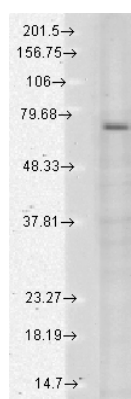
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.09% Sodium azide and 50% Glycerol
Preservative	0.09% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml

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. 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

Database links	GeneID: 162514 Human GeneID: 246788 Mouse Swiss-port # Q8K424 Mouse Swiss-port # Q8NET8 Human
Gene Symbol	Trpv3
Gene Full Name	ransient receptor potential cation channel, subfamily V, member 3
Background	This gene product belongs to a family of nonselective cation channels that function in a variety of processes, including temperature sensation and vasoregulation. The thermosensitive members of this family are expressed in subsets of sensory neurons that terminate in the skin, and are activated at distinct physiological temperatures. This channel is activated at temperatures between 22 and 40 degrees C. This gene lies in close proximity to another family member gene on chromosome 17, and the two encoded proteins are thought to associate with each other to form heteromeric channels. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
Function	Putative receptor-activated non-selective calcium permeant cation channel. It is activated by innocuous (warm) temperatures and shows an increased response at noxious temperatures greater than 39 degrees Celsius. Activation exhibits an outward rectification. May associate with TRPV1 and may modulate its activity. Is a negative regulator of hair growth and cycling: TRPV3-coupled signaling suppresses keratinocyte proliferation in hair follicles and induces apoptosis and premature hair follicle regression (catagen). [UniProt]
Calculated Mw	91 kDa
Cellular Localization	Membrane

Images



ARG22283 anti-TRPV3 antibody [S15-4] WB image

Western blot: Human cell lysates stained with ARG22283 anti-TRPV3 antibody [S15-4] at 1:1000 dilution.