

ARG40825 anti-TRPM2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TRPM2
Tested Reactivity	Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TRPM2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1204-1503 of Human TRPM2 (NP_003298.1).
Conjugation	Un-conjugated
Alternate Names	KNP3; Transient receptor potential cation channel subfamily M member 2; NUDT9H; EREG1; LTrpC2; TrpC7; EC 3.6.1.13; TRPC7; NUDT9L1; LTRPC2; LTrpC-2; Transient receptor potential channel 7; Long transient receptor potential channel 2; Estrogen-responsive element-associated gene 1 protein

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

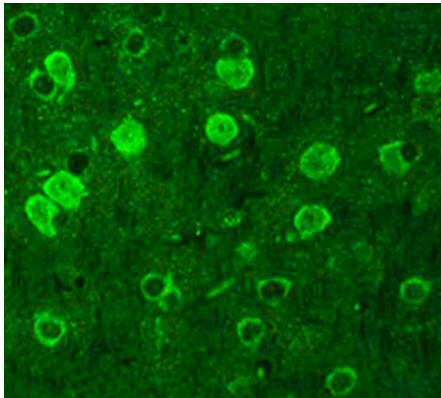
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% 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. 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	TRPM2
Gene Full Name	transient receptor potential cation channel, subfamily M, member 2
Background	The protein encoded by this gene is a calcium-permeable cation channel that is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility to cell death. Several alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Jul 2008]
Function	Nonselective, voltage-independent cation channel mediating sodium and calcium ion influx in response to oxidative stress. Extracellular calcium passes through the channel and acts from the intracellular side as a positive regulator in channel activation. Activated by ADP-ribose, nicotinamide adenine dinucleotide (NAD(+)), reactive nitrogen species and arachidonic acid. Inactivated by intracellular ATP. Confers susceptibility to cell death following oxidative stress. Isoform 2 does not seem to be regulated by ADPR. Has ADP-ribose pyrophosphatase activity. [UniProt]
Calculated Mw	171 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. Perikaryon. Cell projection. Cytoplasmic vesicle. Lysosome. [UniProt]

Images



ARG40825 anti-TRPM2 antibody ICC/IF image

Immunofluorescence: Mouse brain cells stained with ARG40825 anti-TRPM2 antibody at 1:100 dilution.