

Product datasheet

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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

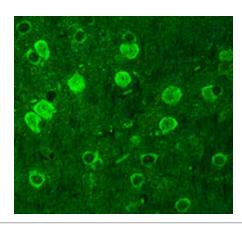
by ADPR. Has ADP-ribose pyrophosphatase activity. [UniProt]

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.