

ARG44254 anti-TRPM2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes TRPM2
Tested Reactivity	Hu
Predict Reactivity	Ms, Cow
Tested Application	FACS, ICC/IF, IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	TRPM2
Species	Human
Immunogen	Synthetic peptide around the internal region of Human TRPM2 (QQKQRPEQKIED)
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
	FACS	10 µg/ml
	ICC/IF	10 µg/ml
	IHC-P	3.75 µg/ml

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

Properties

Form	Liquid
Purification	Ammonium sulphate precipitation followed by affinity purification with immunogen.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 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 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

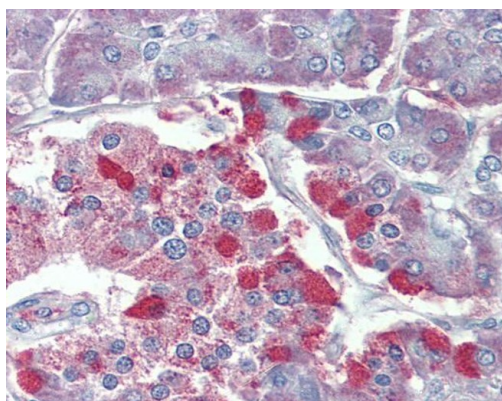
before use.

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

Bioinformation

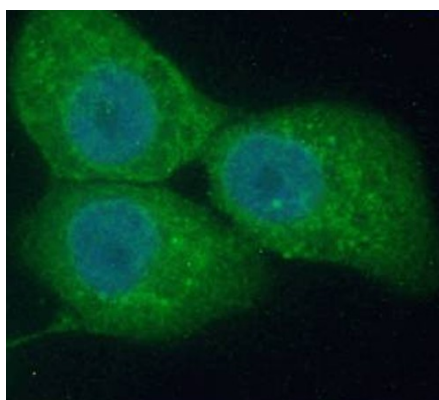
Gene Symbol	TRPM2
Gene Full Name	transient receptor potential cation channel, subfamily M, member 2
Background	The protein encoded by this gene is a calcium-permeable cation channel that is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility 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]
Cellular Localization	Cell membrane; Multi-pass membrane protein. Perikaryon. Cell projection. Cytoplasmic vesicle. Lysosome. [UniProt]

Images



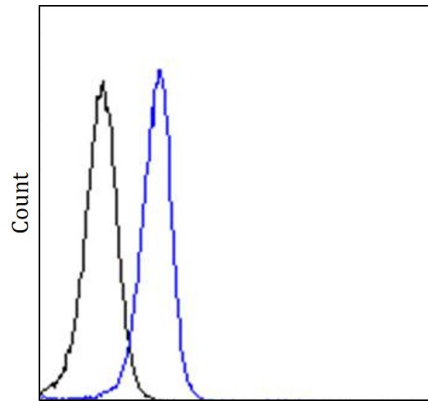
ARG44254 anti-TRPM2 antibody IHC-P image

Immunohistochemistry: Human Pancreas stained with ARG44254 anti-TRPM2 antibody at 3.75µg/ml dilution.



ARG44254 anti-TRPM2 antibody ICC/IF image

Immunofluorescence: A431 stained with ARG44254 anti-TRPM2 antibody at 10µg/ml dilution.



ARG44254 anti-TRPM2 antibody FACS image

Flow Cytometry: Jurkat stained with ARG44254 anti-TRPM2 antibody at 10 μ g/ml dilution.