

## ARG40778 anti-TRPM2 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TRPM2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TRPM2
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human TRPM2. (Within the following region: VAILQALLKASRSQDHFGHENWDHQLKLA VAWNRVDIARSEIFMDEWQWK)
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

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 93%; Dog: 86%; Guinea pig: 88%; Horse: 93%; Mouse: 100%; Rat: 100%						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>IHC-P</td><td>10 µg/ml</td></tr> <tr> <td>WB</td><td>0.5 - 1 µg/ml</td></tr> </table>	Application	Dilution	IHC-P	10 µg/ml	WB	0.5 - 1 µg/ml
Application	Dilution						
IHC-P	10 µg/ml						
WB	0.5 - 1 µg/ml						
Application Note	<p>IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>						

### Properties

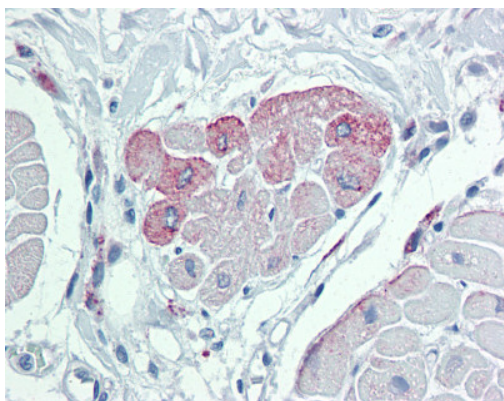
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose

Concentration	Batch dependent: 0.5 - 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 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

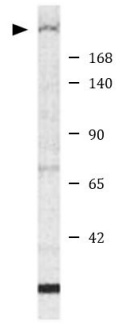
Gene Symbol	TRPM2
Gene Full Name	transient receptor potential cation channel, subfamily M, member 2
Background	The protein encoded by this gene is a calcium-permeable cation channel that is regulated by free intracellular ADP-ribose. The encoded protein is activated by oxidative stress and confers susceptibility 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]
Calculated Mw	171 kDa
Cellular Localization	Isoform 1,2 and 3: Cell membrane; Multi-pass membrane protein. Note=Detected at the cell membrane and in intracellular vesicles in cortical neurons. Detected on neuronal cell bodies and neurites. Detected on the cell membrane in polymorphonuclear neutrophils. Detected on cytoplasmic vesicles and lysosomes in immature bone marrow dendritic cells. [UniProt]

## Images



ARG40778 anti-TRPM2 antibody IHC-P image

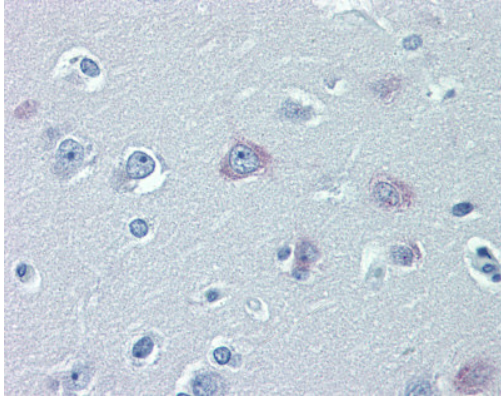
Immunohistochemistry: Paraffin-embedded Human heart tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40778 anti-TRPM2 antibody at 10 µg/ml, overnight at 4°C.



Human fetal liver

#### ARG40778 anti-TRPM2 antibody WB image

Western blot: Human fetal liver lysate stained with ARG40778 anti-TRPM2 antibody at 1 µg/ml dilution.



#### ARG40778 anti-TRPM2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG40778 anti-TRPM2 antibody at 10 µg/ml, overnight at 4°C.