



Anti-TRPM2 (aa 181-393) polyclonal antibody (CPBT-58149RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human TRPM2.
Antigen Description	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.
Specificity	Highly expressed in brain and peripheral blood cells, such as neutrophils. Also detected in bone marrow, spleen, heart, liver and lung. Isoform 2 is found in neutrophil granulocytes.
Immunogen	Recombinant fragment, corresponding to a sequence within amino acids 181-393 of Human TRPM2
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Sequence Similarities	Belongs to the transient receptor (TC 1.A.4) family. LTrpC subfamily. TRPM2 sub-subfamily. Contains 1 nudix hydrolase domain.
Cellular Localization	Membrane.
Format	Liquid

Size	50 µl
Buffer	Preservative: 0.01% Thimerosal (merthiolate)Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	TRPM2 transient receptor potential cation channel, subfamily M, member 2 [Homo sapiens]
Official Symbol	TRPM2
Synonyms	TRPM2; transient receptor potential cation channel, subfamily M, member 2; TRPC7; transient receptor potential cation channel subfamily M member 2; EREG1; KNP3; LTRPC2; NUDT9H; NUDT9L1; EREG 1; EREG1; Estrogen responsive element associated gene 1; Estrogen responsive element associated gene 1 protein; Estrogen-responsive element-associated gene 1 protein; KNP 3; KNP3; Long transient receptor potential channel 2; LTRPC 2; LTrpC-2; LTRPC2; MGC133383; NUDT9H; NUDT9L1; putative Ca2+ channel protein; transient receptor potential cation channel subfamily M member 2; Transient receptor potential channel 7; TRPC 7; TRPC7; TRPM 2; Trpm2; TRPM2_HUMAN; LTrpC-2; OTTHUMP00000038504; OTTHUMP00000038505; OTTHUMP00000109530; OTTHUMP00000207883; transient receptor potential channel 7; long transient receptor potential channel 2; estrogen-responsive element-associated gene 1 protein;
Entrez Gene ID	7226
Protein Refseq	NP_003298
UniProt ID	O94759
Chromosome Location	21q22.3
Function	ADP-ribose diphosphatase activity; calcium channel activity; hydrolase activity; ion channel activity; manganese ion transmembrane transporter activity; sodium channel activity;