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Rabbit Anti-TRPM1 antibody

SL9049R

Product Name:	TRPM1
Chinese Name:	瞬时受体电位离子Channel protein1抗体（M亚家族）
Alias:	Long transient receptor potential channel 1; LTRPC1; Melastatin 1; Melastatin-1; MLSN1; Transient receptor potential cation channel subfamily M member 1; Transient receptor potential cation channel, subfamily M, member 1; TRPM1; TRPM1 protein; TRPM1_HUMAN; Weakly similar to F54D1.5 [C.elegans].
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	182kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TRPM1:51-150/1603<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Cation channel essential for the depolarizing photoresponse of retinal ON bipolar cells. It is part of the GRM6 signaling cascade. May play a role in metastasis suppression (By similarity). May act as a spontaneously active, calcium-permeable plasma membrane

channel.
Involvement in disease:
Defects in TRPM1 are the cause of congenital stationary night blindness type 1C (CSNB1C) [MIM:613216]. A non-progressive retinal disorder characterized by impaired night vision, often associated with nystagmus and myopia.

Function:
Cation channel essential for the depolarizing photoresponse of retinal ON bipolar cells. It is part of the GRM6 signaling cascade. May play a role in metastasis suppression (By similarity). May act as a spontaneously active, calcium-permeable plasma membrane channel.

Subcellular Location:
Cell membrane

Tissue Specificity:
Expressed in the retina where it localizes to the outer plexiform layer. Highly expressed in benign melanocytic nevi and diffusely expressed in various in situ melanomas, but not detected in melanoma metastases. Also expressed in melanocytes and pigmented metastatic melanoma cell lines. In melanocytes expression appears to be regulated at the level of transcription and mRNA processing.

DISEASE:
Defects in TRPM1 are the cause of congenital stationary night blindness type 1C (CSNB1C) [MIM:613216]. A non-progressive retinal disorder characterized by impaired night vision, often associated with nystagmus and myopia.

Similarity:
Belongs to the transient receptor (TC 1.A.4) family. LTrpC subfamily. TRPM1 sub-subfamily.

SWISS:
O75560

Gene ID:
4308

Database links:

Entrez Gene: 4308 Human

Entrez Gene: 17364 Mouse

Entrez Gene: 361586 Rat

Omim: 603576 Human

	SwissProt: O75560 Human SwissProt: Q7Z4N2 Human SwissProt: Q2TV84 Mouse SwissProt: Q2WEA4 Rat SwissProt: Q2WEA5 Rat Unigene: 155942 Human Unigene: 38875 Mouse Unigene: 211311 Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.