

Anti-Human/Mouse/Rat TRPM1 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA11256

3th Edition

Description: This gene encodes a member of the transient receptor potential melastatin subfamily of transient receptor potential ion channels. The encoded protein is a calcium permeable cation channel that is expressed in melanocytes and may play a role in melanin synthesis. Specific mutations in this gene are the cause autosomal recessive complete congenital stationary night blindness-1C. The expression of this protein is inversely correlated with melanoma aggressiveness and as such it is used as a prognostic marker for melanoma metastasis. Alternate splicing results in multiple transcript variants.

Antigen: Synthetic peptide of human TRPM1

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

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.