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Product datasheet for TA322373

TRPM5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse heart tissue IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 1029-1043 amino acids of human transient receptor potential cation channel, subfamily M, member 5
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	transient receptor potential cation channel subfamily M member 5
Database Link:	NP_055370 Entrez Gene 56843 MouseEntrez Gene 29850 Human Q9NZQ8

View online »

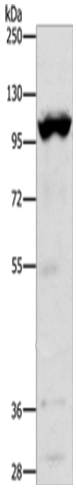
Background: This gene encodes a member of the transient receptor potential (TRP) protein family; which is a diverse group of proteins with structural features typical of ion channels. This protein plays an important role in taste transduction; and has characteristics of a calcium-activated; non-selective cation channel that carries Na+; K+; and Cs+ ions equally well; but not Ca(2+) ions. It is activated by lower concentrations of intracellular Ca(2+); and inhibited by higher concentrations. It is also a highly temperature-sensitive; heat activated channel showing a steep increase of inward currents at temperatures between 15 and 35 degrees Celsius. This gene is located within the Beckwith-Wiedemann syndrome critical region-1 on chromosome 11p15.5; and has been shown to be imprinted; with exclusive expression from the paternal allele.

Synonyms: LTRPC5; MTR1

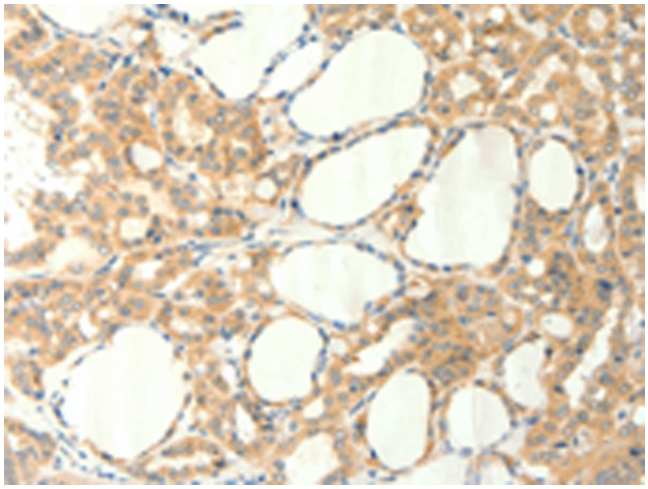
Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Protein Pathways: Taste transduction

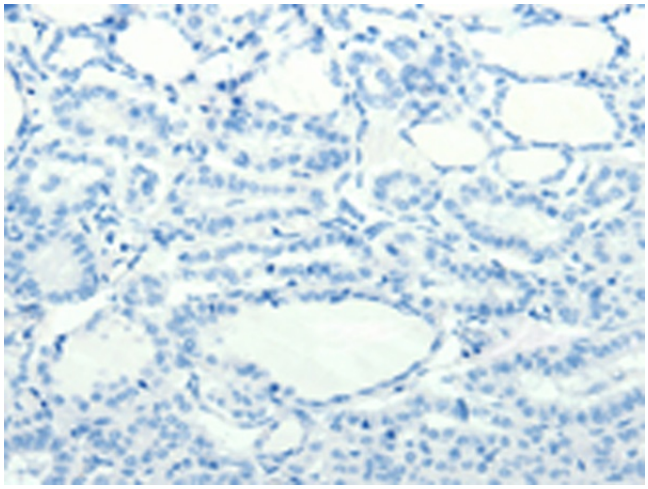
Product images:



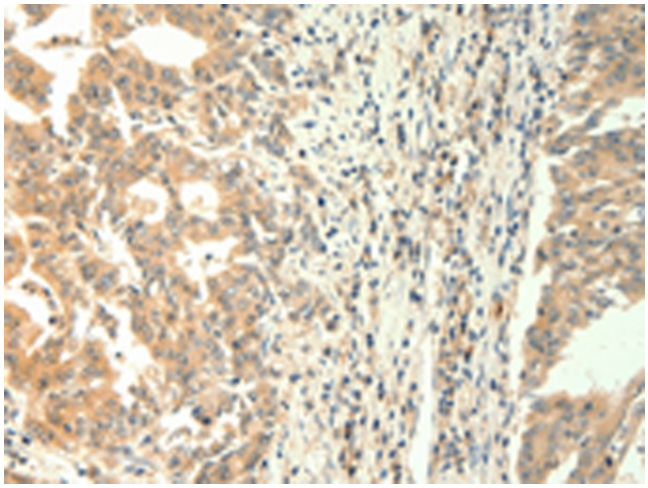
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Mouse heart tissue
Primary antibody: TA322373 (TRPM5 Antibody) at dilution 1/1200
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



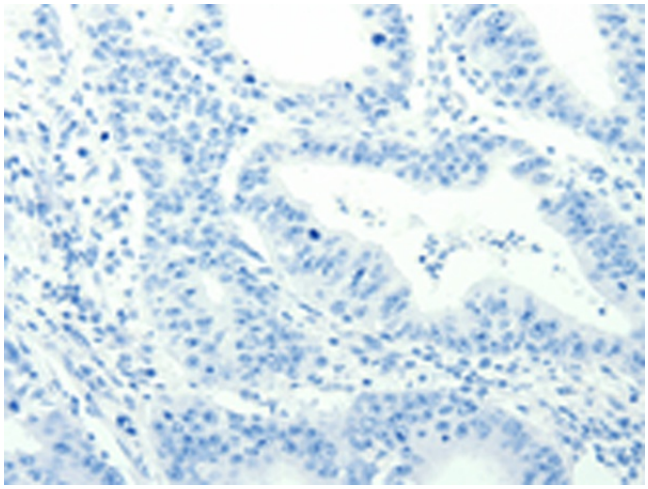
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322373 (TRPM5 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322373 (TRPM5 Antibody) at dilution 1/60, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA322373 (TRPM5 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA322373 (TRPM5 Antibody) at dilution 1/60, treated with synthetic peptide. (Original magnification: ×200)