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TMC4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17860a

Product Information

Application	WB, E
Primary Accession	Q7Z404
Other Accession	NP_653287.1, NP_001138775.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38033
Calculated MW	79208
Antigen Region	68-94

Additional Information

Gene ID	147798
Other Names	Transmembrane channel-like protein 4, TMC4
Target/Specificity	This TMC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-94 amino acids from the N-terminal region of human TMC4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TMC4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TMC4 (HGNC:22998)
Function	Voltage-gated chloride channel involved in high-concentration salt taste sensation (PubMed:34429071, PubMed:34468713). Depolarization induced by high NaCl concentration may trigger the activation of TMC4- mediated chloride influx into taste bud cells, helping the return to resting potential

(PubMed:34429071). Also allows permeation of organic anions including gluconate, but their current amplitudes at positive potentials are less than that of chloride (PubMed:34429071). Involved in pH and temperature-dependent modulation of salty taste (PubMed:34468713).

Cellular Location Membrane; Multi-pass membrane protein

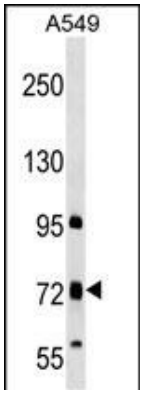
Background

TMC4 may function as ion channels, transporters or modulators of such.

References

Kurima, K., et al. Genomics 82(3):300-308(2003)
Keresztes, G., et al. BMC Genomics 4 (1), 24 (2003) :

Images



TMC4 Antibody (N-term) (Cat. #AP17860a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the TMC4 antibody detected the TMC4 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.