

TMC4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17860a**Specification**

TMC4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O7Z404
Other Accession	NP_653287.1 , NP_001138775.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	79208
Antigen Region	68-94

TMC4 Antibody (N-term) - 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.

TMC4 Antibody (N-term) - 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

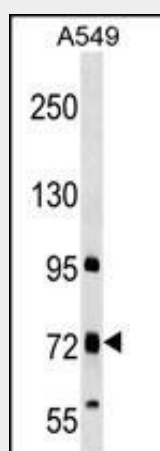
Membrane; Multi-pass membrane protein

TMC4 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TMC4 Antibody (N-term) - 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).

TMC4 Antibody (N-term) - Background

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

TMC4 Antibody (N-term) - References

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