

DATASHEET

TMC4 Rabbit Polyclonal Antibody

CAT. NO. APA18335

KEY FEATURES

Target	TMC4	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Voltage-gated chloride channel involved in high-concentration salt taste sensation . 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 . Also allows permeation of organic anions including gluconate, but their current amplitudes at positive potentials are less than that of chloride . Involved in pH and temperature-dependent modulation of salty taste .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

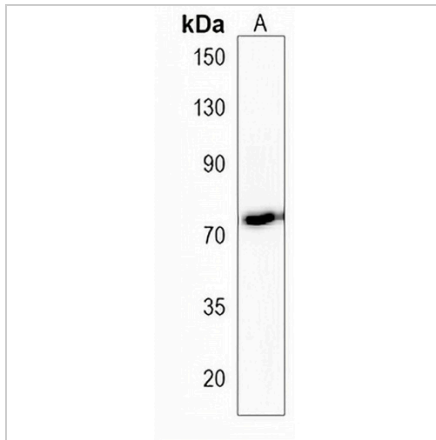
Description	Rabbit polyclonal antibody to TMC4
Specificity	Recognizes endogenous levels of TMC4 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-terminal region of human TMC4. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 79 kD; Observed: 79 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Transmembrane channel-like protein 4
Gene Symbol	TMC4
Entrez Gene	147798(Human)
SwissProt	Q7Z404(Human)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of TMC4 expression in A549 (A) whole cell lysates. (Predicted band size: 79 kD; Observed band size: 79 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.