

Datasheet for ABIN7602499
anti-TMC7 antibody (AA 8-723)



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Overview

Quantity:	100 µg
Target:	TMC7
Binding Specificity:	AA 8-723
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMC7 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-TMC7 Antibody Picoband®
Immunogen:	E.coli-derived human TMC7 recombinant protein (Position: A8-N723).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TMC7 Antibody Picoband® (ABIN7602499). Tested in ELISA, Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	TMC7
Alternative Name:	TMC7 (TMC7 Products)
Background:	<p>Synonyms: Interactor of HORMAD1 protein 1, Cancer/testis antigen 74, CT74, Coiled-coil domain-containing protein 36, CCDC36, IHO1</p> <p>Tissue Specificity: Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.</p> <p>Background: Predicted to enable mechanosensitive ion channel activity. Predicted to be involved in ion transmembrane transport. Predicted to be integral component of plasma membrane.</p>
Molecular Weight:	90 kDa
Gene ID:	79905
UniProt:	Q7Z402

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Keresztes, G., Mutai, H., Heller, S. The TMC and EVER genes belong to a larger protein family, the TMC gene family encoding transmembrane proteins. BMC Genomics 4: 24, 2003. Note: Electronic Article. 2. Kurima, K., Yang, Y., Sorber, K., Griffith, A. J. Characterization of the transmembrane channel-like (TMC) gene family: functional clues from hearing loss and epidermodysplasia verruciformis. Genomics 82: 300-308, 2003.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .

Handling

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.