

Anti-TMEM16A/ANO1 Antibody Picoband®

Catalog Number: PA2290

About ANO1

Anoctamin-1 (ANO1), also known as oral cancer overexpressed 2 (ORAOV2) or tumor-amplified and overexpressed sequence 2 (TMEM16A), is a protein that in humans is encoded by the ANO1 gene. This gene belongs to a family of membrane proteins containing 8 transmembrane segments, and it is mapped to 11q13.3. ANO1 is a candidate calcium-activated chloride channel that mediates receptor-activated chloride currents in diverse physiologic processes, and it is thought to be responsible for a voltage-sensitive calcium-activated chloride current. Its overexpression was reported in esophageal squamous cell carcinoma and breast cancer progression Crofelemer, an antidiarrhoeal, inhibits this channel. ANO1 has eight transmembrane domains, its pore is large and non-selective, allowing other negatively charged species to permeate.

Overview

Product Name	Anti-TMEM16A/ANO1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TMEM16A/ANO1 Antibody catalog # PA2290. Tested in 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.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q5XXA6

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TMEM16A, different from the related mouse and rat sequences by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Rat, Human, Mouse

Anti-TMEM16A/ANO1 Antibody Picoband® (PA2290) Images



Anti-TMEM16A antibody, PA2290, All Western blotting All lanes: Anti-ANO1(PA2290) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 40ug Lane 2: Rat Skeletal Muscle Tissue Lysate at 40ug Predicted bind size: 114KD Observed bind size: 114KD

1 Publications Citing This Product

1. PubMed ID: 10.1096/fasebj.2020.34.s1.06115, Intestinal TMEM16A function as a luminal chloride channel

Visit bosterbio.com/anti-tmем16a-antibody-pa2290-boster.html to see all 1 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-TMEM16A/ANO1 Antibody

For Research Use Only. Not for use in diagnostic procedures.