Product datasheet

Anti-TMEM16A/DOG1/ANO1 Antibody

Catalog Number: *BA3464-2*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-TMEM16A/DOG1/ANO1 Antibody
Gene Name	ANO1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
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.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	114 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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 though 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.

Reference

Anti-TMEM16A/DOG1/ANO1 Antibody被引用在4文献中。

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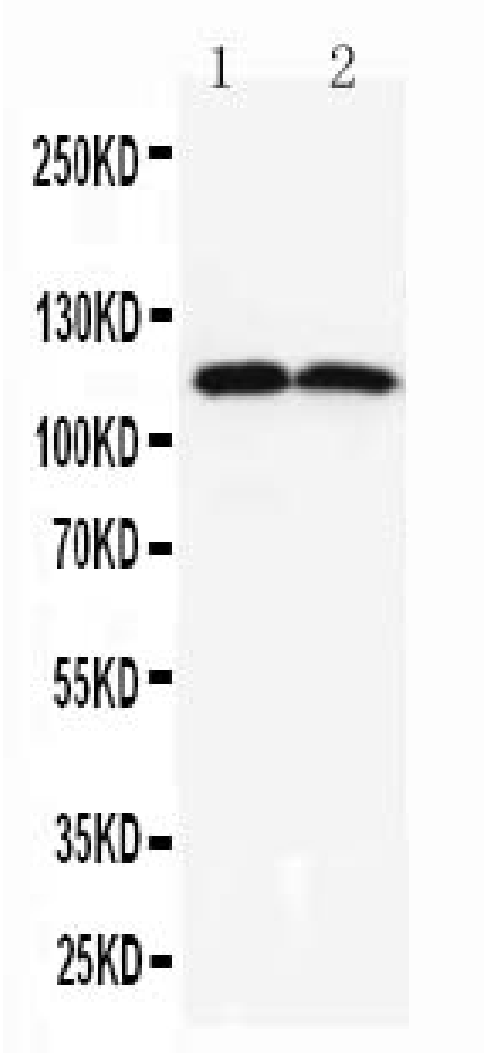
Selected Validation Data



Western blot analysis of TMEM16A/DOG1/ANO1 using anti-TMEM16A/DOG1/ANO1 antibody (BA3464-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: Rat liver tissue lysates,
Lane 2: Rat skeletal muscle tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TMEM16A/DOG1/ANO1 antigen affinity purified polyclonal antibody (BA3464-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TMEM16A/DOG1/ANO1 at approximately 114 kDa. The expected band size for TMEM16A/DOG1/ANO1 is at 114 kDa.