

TMEM16A Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254151

Unit: 0.1 mg

Description:

Calcium-activated chloride channels (CaCC) are present in many cell types and mediate physiological functions such as epithelial secretion, sensory signal transduction, and smooth muscle contraction. Subunits of these CaCCs include the transmembrane proteins TMEM16A and TMEM16B.

TMEM16A is expressed in epithelial cells of the kidney and lung, pancreas, and sensory neurons and its mRNA is seen in foregut, airway epithelia, and tracheal smooth muscle; mice lacking TMEM16A fail to survive past ten days and show aerophagia and little weight gain. TMEM16A is also overexpressed or amplified in multiple cancers associated with poor survival such as oral cancers and gastrointestinal stromal tumors, suggesting the development of CaCC modulators may be a viable therapeutic strategy.

Isotype: Rabbit Ig

Applications: E, IF, WB

Species Reactivity: H, M

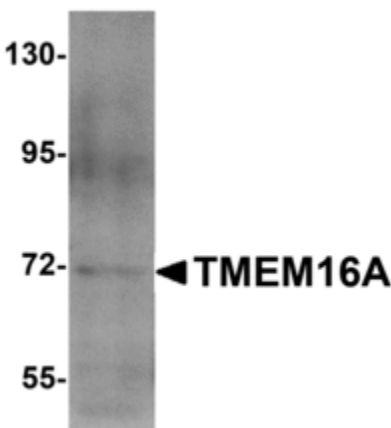
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: TMEM16A; Anoctamin 1; calcium activated chloride channel; ano1; DOG1; TAOS2; ORAOV2; Anoctamin-1; Discovered on gastrointestinal stromal tumors protein 1; Oral cancer overexpressed protein 2; Transmembrane protein 16A; Tumor-amplified and overexpressed sequence 2

Accession No.: NP_060513

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human TMEM16A.

Application Notes: Cat. No. 254151 does not react with TMEM16B. E: 1:500-1:1,000; WB: 1:100-1:500; IF: 1:50-1:100



Western blot analysis of TMEM16A in A549 cell lysate with TMEM16A Antibody (Cat. No. 254151) at 1 ug/mL.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.