

Resource Summary Report

Generated by [dkNET](#) on Aug 30, 2026

TMEM16A antibody

RRID:AB_883075

Type: Antibody

Proper Citation

Abcam Cat# ab53212, RRID:AB_883075

Antibody Information

URL: http://antibodyregistry.org/AB_883075

Proper Citation: Abcam Cat# ab53212, RRID:AB_883075

Target Antigen: TMEM16A antibody

Host Organism: rabbit

Clonality: polyclonal

Comments: validation status unknown, seller recommendations provided in 2012: Immunofluorescence; Immunohistochemistry; ICC/IF, IHC-Fr, IHC-P, WB; Immunohistochemistry - frozen; Immunocytochemistry; Western Blot; Immunohistochemistry - fixed

Antibody Name: TMEM16A antibody

Description: This polyclonal targets TMEM16A antibody

Target Organism: rat, mouse, human

Antibody ID: AB_883075

Vendor: Abcam

Catalog Number: ab53212

Record Creation Time: 20250819T214005+0000

Record Last Update: 20250819T234226+0000

Ratings and Alerts

- Human colon Whole Mount technique staining in Myenteric plexus in Soma was negative for immunostaining. Human colon Whole Mount technique staining in Myenteric plexus in Fibers shows moderate immunostaining. Data provided by Schemann lab. - Brookes et al. (2022) via SPARC <https://sparc.science/resources/7Mlidy3RIVrQ11hpBC8PK>

No alerts have been found for TMEM16A antibody.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Huynh NM, et al. (2025) Enhanced Spatial Mapping of Mouse Gastric Muscle Layers Using a Modified Swiss Roll Technique. Journal of visualized experiments : JoVE(225).

Grosche A, et al. (2025) Selective amino acid formulation enhances anion secretion and restores function in cystic fibrosis mutations. Frontiers in pharmacology, 16, 1522130.

Parkington HC, et al. (2025) Contribution of chloride channels to the action potential and contraction in human myometrium during labour. British journal of pharmacology.

Choi EL, et al. (2025) Protocol for AI-based segmentation and quantification of interstitial cells of Cajal in murine gastric muscle. STAR protocols, 6(1), 103644.

Ni Bhraonain E, et al. (2024) Immunohistochemical characterization of interstitial cells and their relationship to motor neurons within the mouse esophagus. Research square.

Hannigan KI, et al. (2024) Modulation of intracellular calcium activity in interstitial cells of Cajal by inhibitory neural pathways within the internal anal sphincter. American journal of physiology. Gastrointestinal and liver physiology, 327(3), G382.

Li XL, et al. (2022) Blockade of TMEM16A protects against renal fibrosis by reducing intracellular Cl⁻ concentration. British journal of pharmacology, 179(12), 3043.

Yuan W, et al. (2022) Intracellular TMEM16A is necessary for myogenesis of skeletal muscle. iScience, 25(11), 105446.

Wang T, et al. (2021) Honokiol inhibits proliferation of colorectal cancer cells by targeting anoctamin 1/TMEM16A Ca²⁺-activated Cl⁻ channels. British journal of pharmacology, 178(20), 4137.

Cao X, et al. (2021) Opposing roles of E3 ligases TRIM23 and TRIM21 in regulation of ion channel ANO1 protein levels. The Journal of biological chemistry, 296, 100738.

Askew Page HR, et al. (2019) TMEM16A is implicated in the regulation of coronary flow and is altered in hypertension. *British journal of pharmacology*, 176(11), 1635.

Derouiche S, et al. (2018) TRPV4 heats up ANO1-dependent exocrine gland fluid secretion. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 32(4), 1841.

Luo J, et al. (2018) TRPV4 Channel Signaling in Macrophages Promotes Gastrointestinal Motility via Direct Effects on Smooth Muscle Cells. *Immunity*, 49(1), 107.

Zhang Y, et al. (2017) Inferior Olivary TMEM16B Mediates Cerebellar Motor Learning. *Neuron*, 95(5), 1103.