DOG-1/TMEM16A Rabbit mAb

Catalog NO.: A28584 Recombinant

Basic Information

Observed MW
150 kDa

Calculated MW
74-120 kDa

Category
Monoclonal Antibodies

Applications
WB, IHC-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone number
ARC79124

Background

Enables identical protein binding activity; iodide transmembrane transporter activity; and ligand-gated monoatomic ion channel activity. Involved in several processes, including monoatomic anion transport; mucus secretion; and positive regulation of insulin secretion involved in cellular response to glucose stimulus. Located in apical plasma membrane and nucleoplasm. Implicated in Moyamoya disease.

Recommended Dilutions

WB	1:2000 - 1:5000
IHC-P	1:2000 - 1:8000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
55107

Swiss Prot
Q5XXA6

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
DOG1; INDMS; TAOS2; ORAOV2; TMEM16A; MYMY7

Contact

Product Information

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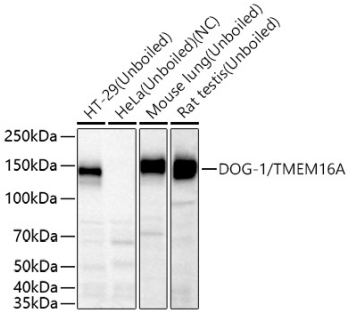
Source
Rabbit

Isotype
IgG

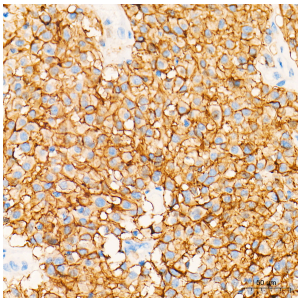
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using DOG-1/TMEM16A Rabbit mAb (A28584) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): HeLa.
Exposure time: 60 s.



Immunohistochemistry analysis of paraffin-embedded Human gastrointestinal stromal tumors tissue using DOG-1/TMEM16A Rabbit mAb (A28584) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

For research use only. Not for therapeutic or diagnostic purposes.

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