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DOG1 Antibody
Rabbit Monoclonal Antibody (Mab)
Catalog # AD80045

Specification

DOG1 Antibody - Product info

Application	**IHC**
Primary Accession	O5XXA6
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Monoclonal**
Isotype	**IgG**
Calculated MW	**114078**

DOG1 Antibody - Additional info

Gene ID	**55107**
Gene Name	**ANO1**

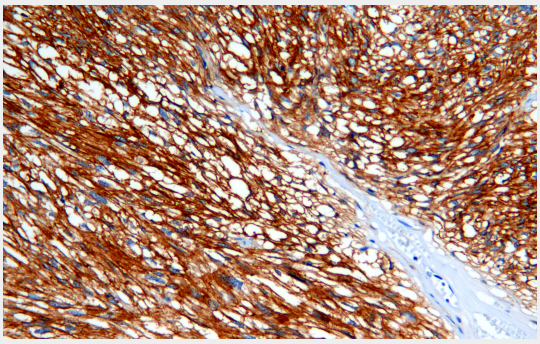
Other Names
Anoctamin-1, Discovered on gastrointestinal stromal tumors protein 1, Oral cancer overexpressed protein 2, Transmembrane protein 16A, Tumor-amplified and overexpressed sequence 2, ANO1, DOG1, ORAOV2, TAOS2, TMEM16A

Dilution
IHC~~Ready-to-use

Storage	**Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.**
Precautions	**DOG1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

DOG1 Antibody - Protein Information

Name ANO1



Immunohistochemical analysis of paraffin-embedded gastrointestinal stromal tumor tissue using AD80045 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a Citrate buffer (pH6. 0).Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems□Abcepta:AR005□ was used as the secondary antibody.

Synonyms	**DOG1, ORAOV2, TAOS2, TMEM16A**
Function	**Calcium-activated chloride channel (CaCC) which plays a role in transepithelial anion transport and smooth muscle contraction. Required for the normal functioning of the interstitial cells of Cajal (ICCs) which generate electrical pacemaker activity in gastrointestinal smooth muscles. Acts as a major contributor to basal and stimulated chloride conductance in airway epithelial cells and plays an important role in tracheal cartilage development.**
Cellular Location	**Cell membrane; Multi- pass membrane protein. Cytoplasm. Note=Cytoplasmic localization seen in neoplastic cells of head and neck squamous cell carcinoma (HNSCC) tumors.**
Tissue Location	**Broadly expressed with higher levels in liver, skeletal muscle and gastrointestinal muscles**

DOG1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture