

DOG1
Rabbit Monoclonal antibody(Mab)
Catalog # AD80045

Specification

DOG1 - Product info

Application	IHC-P
Primary Accession	Q5XXA6
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	114078

DOG1 - 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

Dilution

IHC-P~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions

DOG1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DOG1 - Protein Information

Name ANO1

Synonyms
Function

DOG1, ORAOV2, TAOS2, TMEM16A
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. Cell membrane; Multi- pass membrane protein. Cytoplasm. Note=Cytoplasmic

Cellular Location

Tissue Location

localization seen in neoplastic cells of head and neck squamous cell carcinoma (HNSCC) tumors.

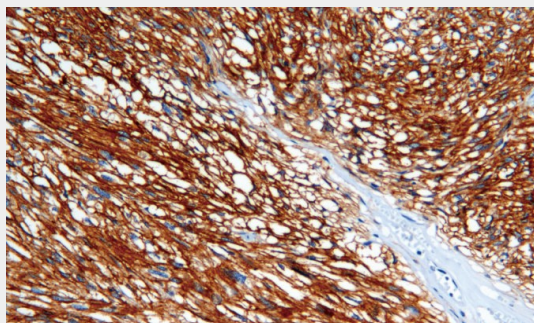
Broadly expressed with higher levels in liver, skeletal muscle and gastrointestinal muscles

DOG1 - Protocols

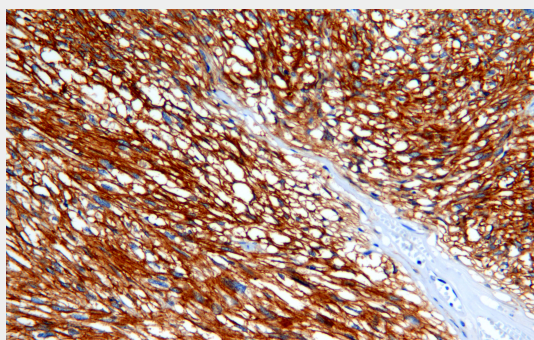
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DOG1 - Images



Gastrointestinal stromal tumor



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. AmpSee™ Detection Systems [Abcepta:AR005] was used as the secondary antibody.