ARG58023
anti-DOG1 antibody [DOG1.1]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [DOG1.1] recognizes DOG1
Tested Reactivity	Hu
Tested Application	IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	DOG1.1
Isotype	IgG1, kappa
Target Name	DOG1
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 904-986 of Human DOG1 protein.
Conjugation	Un-conjugated
Alternate Names	TMEM16A; ORAOV2; Transmembrane protein 16A; Discovered on gastrointestinal stromal tumors protein 1; TAOS2; Tumor-amplified and overexpressed sequence 2; Anoctamin-1; Oral cancer overexpressed protein 2; DOG1

Application Instructions

Application table

Application	Dilution
IHC-P	1 - 2 µg/ml

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 10 mM Citrate buffer (pH 6.0) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

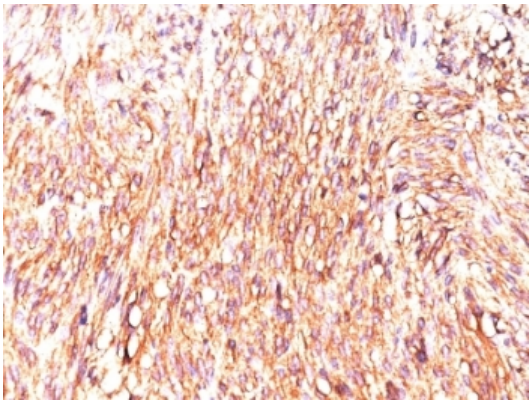
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS, 0.05% Sodium azide and 0.1 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ANO1
Gene Full Name	anoctamin 1, calcium activated chloride channel
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. [UniProt]
Calculated Mw	114 kDa

Images



ARG58023 anti-DOG1 antibody [DOG1.1] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human GIST stained with ARG58023 anti-DOG1 antibody [DOG1.1].