

DOG1 Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150150

Company: HaoKebio

Uniprot ID:Q5XXA6

Applications: IHC: 1:100-1:200

Organism:Rabbit

IHC-Polymer: 1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Predicted Molecular Weight: 114 kDa

Background:

DOG1 (Discovered On GIST-1) is a calcium-activated chloride channel protein encoded by the TMEM16A gene, located on chromosome 11q13. It regulates cholinergic activity in gastrointestinal smooth muscles and plays roles in cell survival and proliferation. Over 90% of gastrointestinal stromal tumors (GISTs) show DOG1 positivity, with strong, diffuse staining localized to the cytoplasm and cell membrane. DOG1 serves as a crucial marker for GIST diagnosis, exhibiting higher sensitivity and specificity compared to CD117 (KIT). DOG1 is also utilized in the identification of salivary gland carcinomas, pancreatic tumors, and renal carcinomas.

Protein full name:

2-deoxyglucose-6-phosphate phosphatase 1

Synonyms:

ANO1, Anoctamin 1

Immunogen:

A synthetic peptide corresponding to amino acid residues 1-100 of DOG1.

Isotype:

IgG

Subcellular location:

Cell membrane/Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

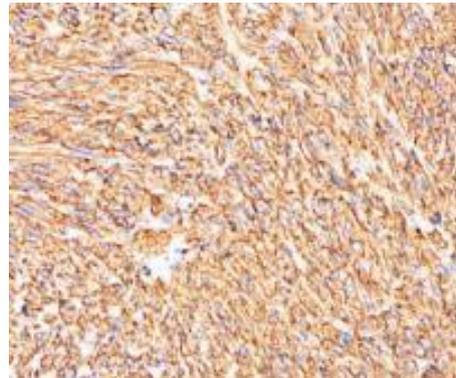
Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C - 25 °C) for 30 minutes.

Images:



Immunohistochemical results of DOG1-labeled extragastric stromal tumor (formalin-fixed, paraffin-embedded sections) using HKZ150150. Antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).

Source of Reagents:

1. Jung SH, et.al, Gut Liver. 2011 Jun;5(2):171-80.
2. Bergmann F, et.al, Hum Pathol. 2011 Jun;42(6):817-23.

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发表[中文论文]请标注: DOG1 (HKZ150150) 由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注: DOG1 (HKZ150150) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

