

Product Datasheet

DOG1/TMEM16A Antibody (DOG1.1) NBP1-49559

Unit Size: 6 ml

Store at 4C.

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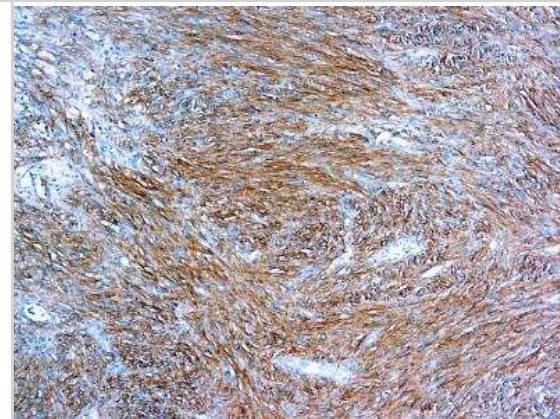


NBP1-49559**DOG1/TMEM16A Antibody (DOG1.1)**

Product Information	
Unit Size	6 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	DOG1.1
Preservative	Sodium Azide
Isotype	IgG
Purity	Tissue culture supernatant
Buffer	Tissue culture supernatant
Product Description	
Host	Mouse
Gene ID	55107
Gene Symbol	ANO1
Species	Human
Reactivity Notes	Human
Specificity/Sensitivity	DOG1/TMEM16A is expressed ubiquitously in gastrointestinal stromal tumors irrespective of c-kit or PDGFR alpha mutation status. Reactivity for DOG1/TMEM16A may aid in the diagnosis of gastrointestinal stromal tumors, including PDGFRA mutants that fail to express c-kit antigen, and lead to appropriate treatment with imatinib mesylate, an inhibitor of the c-kit tyrosine kinase.
Immunogen	A synthetic peptide of human DOG1 protein.
Notes	Positive Control: Gastrointestinal stromal tumor tissue Staining Protocol: We suggest an incubation period of 30-60 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10mM EDTA buffer, pH 8.0 prior to immunostaining. This product has a prediluted size available. If a 6mL or 7mL pre-diluted size is purchased this product can be used Neat (without further dilution). Use recommended dilution for the concentrated vials only.
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen
Application Notes	For IHC: . Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10mM EDTA buffer, pH 8.0 prior to immunostaining.

Images

Immunohistochemistry-Paraffin: DOG1/TMEM16A Antibody (DOG1.1) [NBP1-49559] - Formalin fixed paraffin embedded gastrointestinal stromal tumor stained with DOG1 antibody (NBP1-49559).



Publications

Scudieri P, Caci E, Bruno S et al. Association of TMEM16A chloride channel overexpression with airway goblet cell metaplasia. J Physiol 2012-12-01 [PMID: 22988141] (Human)

Namkung W, Yao Z, Finkbeiner WE, Verkman AS. Small-molecule activators of TMEM16A, a calcium-activated chloride channel, stimulate epithelial chloride secretion and intestinal contraction. FASEB J. 2011-08-11 [PMID: 21836025]



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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