

Monoclonal Mouse Antibody to DOG1

Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Clone:	DOG1.1
Immunogen:	A synthetic peptide of human DOG1 protein.
Isotype:	IgG
Format:	This antibody is supplied as tissue culture supernatant and diluted in buffer pH 7.5, containing BSA and sodium azide as preservatives.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50 to 1:100 when using a polymer detection system such as our UnoVue or PolyVue systems. The final dilution should be determined by the user based upon the staining conditions employed.
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. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10mM citrate buffer, pH 6.0 prior to immunostaining.</u>
Specificity:	<u>DOG1 is expressed ubiquitously in gastrointestinal stromal tumors irrespective of c-kit or PDGFR alpha mutation status. Reactivity for DOG1 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.</u>
Positive Control:	Gastrointestinal stromal tumor tissue
Cellular Localization:	Cytoplasmic and membrane
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.