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36-1582: Monoclonal Antibody to DOG-1 / TMEM16A / ANO1 (Gastrointestinal Stromal Tumor Marker)(DG1/447 + DOG-1.1)

Clonality :	Monoclonal
Clone Name :	DG1/447 + DOG-1.1
Application :	IHC
Reactivity :	Human
Gene :	ANO1
Gene ID :	55107
Uniprot ID :	Q5XXA6
Format :	Purified
Alternative Name :	ANO1,DOG1,ORAOV2,TAOS2,TMEM16A
Isotype :	Mouse IgG1, kappa + Mouse IgG1, kappa
Immunogen Information :	Recombinant human DOG-1 protein (DG1/447) + A synthetic peptide from human DOG-1 protein (MSDFVDWVIPDIPKDISQQIHKEKVLMVELFMREEQDKQQLL-ETCMEKERQKDEPPCNHHNTKACPDSLGSP-APSHAYHGGVL), conjÂµgated to a carrier protein (DOG-1.1).

Description

Expression of DOG-1 protein is elevated in the gastrointestinal stromal tumors (GISTs), c-kit signaling-driven mesenchymal tumors of the GI tract. DOG-1 is rarely expressed in other soft tissue tumors, which, due to appearance, may be difficult to diagnose. Immunoreactivity for DOG-1 has been reported in 97.8 percent of scorable GISTs, including all c-kit negative GISTs. Overexpression of DOG-1 has been suggested to aid in the identification of GISTs, including Platelet-Derived Growth Factor Receptor Alpha mutants that fail to express c-kit antigen. The overall sensitivity of DOG1 and c-kit in GISTs is nearly identical: 94.4% vs. 94.7%.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

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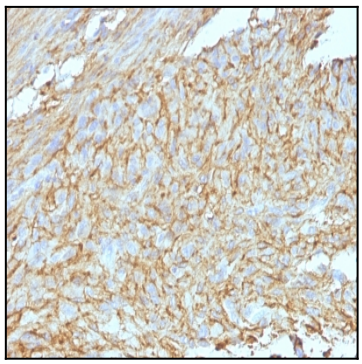

Formalin-fixed, paraffin-embedded human GIST stained with DOG1 Monoclonal Antibody (DG1/447 + DOG1.1).