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12-1035: Recombinant Rabbit Monoclonal Antibody to DOG-1 / TMEM16A (Gastrointestinal Stromal Tumor Marker)(Clone : DG1/1487R)(Discontinued)

Clonality :	Monoclonal
Clone Name :	DG1/1487R
Application :	IHC,FACS,IF
Reactivity :	Human
Gene :	ANO1
Gene ID :	55107
Uniprot ID :	Q5XXA6
Format :	Purified
Alternative Name :	Anoctamin 1, Calcium Activated Chloride Channel, Discovered On Gastrointestinal Stromal Tumors Protein 1, TAOS2, ORAOV2, TMEM16A
Isotype :	Rabbit IgG, kappa
Immunogen Information :	Recombinant full-length human DOG-1 protein

Description

Expression of DOG-1 protein is elevated in the gastrointestinal stromal tumors (GIST s), 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 GIST s, including all c-kit negative GIST s. 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 GIST s is nearly identical: 94.4% vs. 94.7%.

Product Info

Amount :	20 µg / 100 µg
Purification :	Purified Ab with BSA and Azide at 200ug/ml
Content :	200ug/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
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

MW : ~114kDa; Positive Control : Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin.;Flow Cytometry (0.5-1ug/million cells); Immunofluorescence (0.5-1ug/ml); Immunohistology (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

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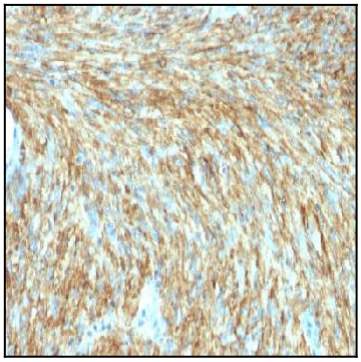

Figure 1: Formalin-fixed, paraffin-embedded human GIST stained with DOG-1 Rabbit Recombinant Monoclonal Antibody (DG1/1487R).

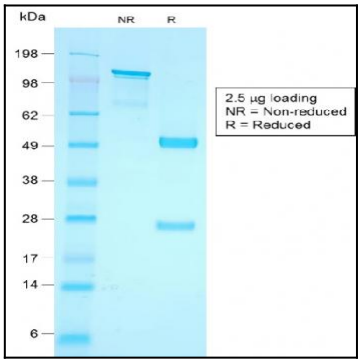

Figure 2: SDS-PAGE Analysis Purified DOG-1 Rabbit Recombinant Monoclonal Antibody (DG1/1487R).