

12-1169: Anti-DOG-1/TMEM16A (Gastrointestinal Stromal Tumor Marker) Recombinant Mouse Monoclonal Antibody (Clone:rDG1/447)

Clonality :	Monoclonal
Clone Name :	rDG1/447
Application :	IHC
Reactivity :	Human
Gene :	TMEM16A
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 :	Mouse IgG1, 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 :	Protein A/G
Content :	200µg/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 :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2 µg/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°C followed by cooling at RT for 20 minutes);

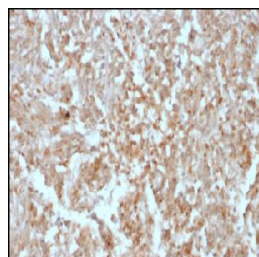


Figure 1: Formalin-fixed, paraffin-embedded human GIST stained with DOG-1 Mouse Recombinant Monoclonal Antibody (rDG1/447).

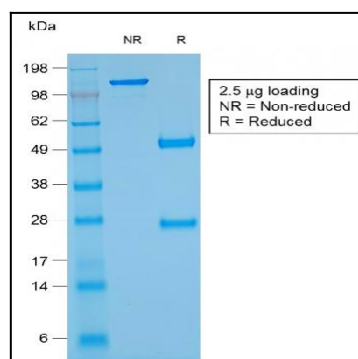


Figure 2: SDS-PAGE Analysis Purified DOG-1 Mouse Recombinant Monoclonal Antibody (rDG1/447).