

36-1580: Monoclonal Antibody to DOG-1 / TMEM16A / ANO1 (Gastrointestinal Stromal Tumor Marker)(Clone : SPM580)

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|--------------------------------|---------------------------------|
| Clonality : | Monoclonal |
| Clone Name : | SPM580 |
| 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 |
| Immunogen Information : | Recombinant human DOG-1 protein |

Description

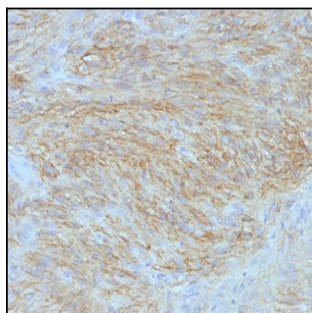
Expression of DOG-1 protein is elevated in the gastrointestinal stromal tumors (GISTs), c-kit signaling-driven mesenchymal tumors of the GI tract. DOG-1 is rarely expressed in other soft tissue tumors, which, due to appearance, may be difficult to diagnose. Immunoreactivity for DOG-1 has been reported 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

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| 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) (1-2µg/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);



Formalin-fixed, paraffin-embedded human GIST stained with DOG1 Monoclonal Antibody (SPM580).