

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

|                                |                                 |
|--------------------------------|---------------------------------|
| <b>Clonality :</b>             | Monoclonal                      |
| <b>Clone Name :</b>            | SPM580                          |
| <b>Application :</b>           | IHC                             |
| <b>Reactivity :</b>            | Human                           |
| <b>Gene :</b>                  | ANO1                            |
| <b>Gene ID :</b>               | 55107                           |
| <b>Uniprot ID :</b>            | Q5XXA6                          |
| <b>Format :</b>                | Purified                        |
| <b>Alternative Name :</b>      | ANO1,DOG1,ORAOV2,TAOS2,TMEM16A  |
| <b>Isotype :</b>               | Mouse IgG1, kappa               |
| <b>Immunogen Information :</b> | Recombinant human DOG-1 protein |

### Description

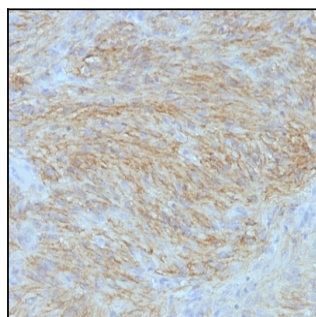
Expression of DOG-1 protein is elevated in the gastrointestinal stromal tumors (GISTs), c-kit signaling-driven mesenchymal tumors of the GI tract. DOG-1 is rarely expressed in other soft tissue tumors, which, due to appearance, may be difficult to diagnose. Immunoreactivity for DOG-1 has been reported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

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 100 µg  |
| <b>Purification :</b>      | Affinity Chromatography   |
| <b>Content :</b>           | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                               |
| <b>Storage condition :</b> | 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°C followed by cooling at RT for 20 minutes);



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