

## 36-1581: Monoclonal Antibody to DOG-1 / TMEM16A / ANO1 (Gastrointestinal Stromal Tumor Marker)(Clone : DOG-1.1)

**Clonality :** Monoclonal

**Clone Name :** 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

**Immunogen Information :** A synthetic peptide from human DOG-1 protein (MSDFVDWVIPDIPKDISQQIHKEKVLMLFMREEQDKQQL-LETCEKERQKDEPPCNHHNTKACPDLSLGSPAPSHAYHGGVL), conjugated to a carrier 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

**Amount :** 100 µg

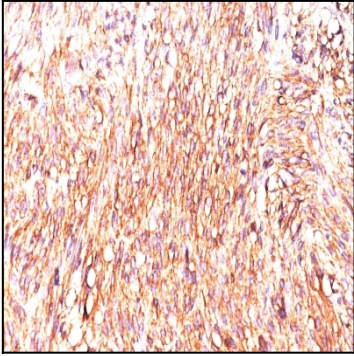
**Purification :** Affinity Chromatography

**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

Immunohistology (Formalin-fixed) (1-2ug/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),



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