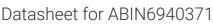
# antibodies .- online.com





## anti-ANO1 antibody





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#### Overview

Quantity:	100 μg
Target:	ANO1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ANO1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

### **Product Details**

Immunogen:	Recombinant human DOG-1 protein
Clone:	SPM580
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## **Target Details**

Target:	ANO1
Alternative Name:	TMEM16A (ANO1 Products)
Background:	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.

## **Target Details**

	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 %.
Molecular Weight:	~114kDa
Gene ID:	55107

## **Application Details**

Application Notes:	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.

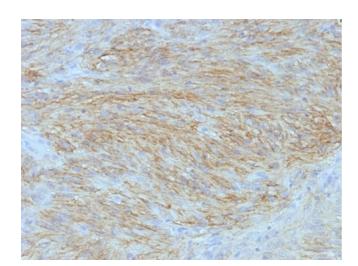
Known Application: Immunohistochemistry (Formalin-fixed) (1-2  $\mu$ g/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a

specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	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. No MSDS required.
Expiry Date:	24 months



### **Immunohistochemistry**

**Image 1.** Formalin-fixed, paraffin-embedded human GIST stained with DOG1 Monoclonal Antibody (SPM580).