



# Mouse Anti-Human DOG1 monoclonal antibody, clone JID673 (CABT-L2823)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
<b>Specificity</b>	Human DOG1
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	JID673
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC
<b>Reconstitution</b>	<p>The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.</p> <p>The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.</p>
<b>Positive Control</b>	Gastrointestinal Stromal Tumor
<b>Format</b>	Liquid
<b>Size</b>	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
<b>Buffer</b>	<p>Predilute: Antibody Diluent Buffer</p> <p>Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA</p>

<b>Preservative</b>	< 0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C. Do not freeze.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	DOG1, also known as Discovered on GIST-1, is a marker that highly specific for gastrointestinal stromal tumor (GIST). Anti-DOG1 is extremely sensitive for the detection of GIST and its diagnosis. Although some GIST stain weakly for c-kit, DOG1 is expressed in the vast majority of GIST cases. Reports have also indicated DOG1 as a marker for salivary acinar and intercalated duct differentiation.
<b>Keywords</b>	ANO1;anoctamin 1, calcium activated chloride channel;DOG1;TAOS2;ORAOV2;TMEM16A;anoctamin-1;Ca2+-activated Cl- channel;oral cancer overexpressed 2;tumor-amplified and overexpressed sequence 2

## GENE INFORMATION

<b>Gene Name</b>	ANO1 anoctamin 1, calcium activated chloride channel [ Homo sapiens (human) ]
<b>Official Symbol</b>	ANO1
<b>Synonyms</b>	ANO1; anoctamin 1, calcium activated chloride channel; DOG1; TAOS2; ORAOV2; TMEM16A; anoctamin-1; Ca2+-activated Cl- channel; oral cancer overexpressed 2; tumor-amplified and overexpressed sequence 2; discovered on gastrointestinal stromal tumors protein 1; transmembrane protein 16A (eight membrane-spanning domains);
<b>Entrez Gene ID</b>	<a href="#">55107</a>
<b>Protein Refseq</b>	NP_060513
<b>UniProt ID</b>	<a href="#">Q5XXA6</a>
<b>Chromosome Location</b>	11q13.3
<b>Pathway</b>	Ion channel transport; Orphan transporters; Stimuli-sensing channels; Transmembrane transport of small molecules;
<b>Function</b>	calcium activated cation channel activity; intracellular calcium activated chloride channel activity; protein binding; protein heterodimerization activity; protein homodimerization activity;