

Monoclonal Antibody to DOG1 - Supernatant

Alternate names:	DOG-1, PKC theta, Protein Kinase C theta
Catalog No.:	AM03176SU-N
Quantity:	0.5 ml
Background:	DOG1 (Protein kinase C theta), the novel marker, is expressed ubiquitously in gastrointestinal stromal tumors irrespective of kit or PDGFR alpha mutation status. Reactivity for DOG1 may aid in the diagnosis of GISTs, including PDGFRA mutants that fail to express KIT antigen, and lead to appropriate treatment with imatinib mesylate, an inhibitor of the KIT tyrosine kinase.
Host / Isotype:	Rabbit / IgG
Clone:	BV10
Immunogen:	Synthetic peptide from the C-Terminus of Human DOG1 protein
Format:	State: Liquid Tissue Culture Supernatant Buffer System: Buffer pH 7.5, containing BSA as stabilizer and Sodium Azide as a preservative.
Applications:	Immunohistochemistry on Paraffin Sections: Use DOG1 antibody at 1/25-1/50 dilution in an ABC method with an incubation period of 30-60 minutes at room temperature. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining. <i>Positive Control:</i> Gastrointestinal tissue. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects DOG1. Cellular Localization: Cytoplasmic and membrane. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.

Pictures:

Formalin fixed paraffin embedded human gastrointestinal stromal tumor stained with Rabbit monoclonal DOG1 antibody (AM03176SU-N).

