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anti-GDE1 antibody (AA 231-331) (Biotin)



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Quantity:	100 μL
Target:	GDE1
Binding Specificity:	AA 231-331
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDE1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MIR16/GDE1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GDE1
Alternative Name:	MIR16/GDE1 (GDE1 Products)

Target Details

Background:

Synonyms: EC 3.1.4.44, GDE1, Glycerophosphodiester phosphodiesterase 1, Membrane interacting protein of RGS16, RGS16 interacting membrane protein, GDE1_HUMAN.

Background: GDE1 is a 331 amino acid multi-pass membrane protein that localizes to both the membrane and the cytoplasm and contains one GDPD domain. Expressed in a wide variety of tissues, GDE1 uses magnesium as a cofactor to catalyze the conversion of 1-(sn-glycero-3-phospho)-1D-myo-inositol to myo-inositol and sn-glycerol 3-phosphate, an event that is modulated by G protein signaling pathways and provides a link between phosphoinositide metabolism and G protein signal transduction. The gene encoding GDE1 maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3 % of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

Application Details

Application Notes: WB 1:300-5000

IHC-P 1:200-400

IHC-F 1:100-500

Restrictions: For Research Use only

Handling

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Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months