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Goat Anti-GDE1 / MIR16 Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4255a

Specification

Goat Anti-GDE1 / MIR16 Antibody (internal region) - Product Information

Application	**WB, E**
Primary Accession	Q9NZC3
Other Accession	56209(mouse), 60418(rat), NP_057725.1
Reactivity	**Mouse, Rat**
Predicted	**Human, Mouse, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
Calculated MW	**37718**

Goat Anti-GDE1 / MIR16 Antibody (internal region) - Additional Information

Gene ID 51573

Other Names
GDE1; glycerophosphodiester phosphodiesterase 1; 363E6.2; MIR16; RGS16-interacting membrane protein; membrane interacting protein of RGS16; membrane-interacting protein of RGS16

Dilution
WB~~1:1000
E~~N/A

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
Peptide with sequence C-SLSHTGDGKPRYD , from the internal region of the protein sequence according to NP_057725.1.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-GDE1 / MIR16 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-GDE1 / MIR16 Antibody (internal region) - Protein Information

Name GDE1 (HGNC:29644)

Function
Hydrolyzes the phosphodiester bond of glycerophosphodiesters such as glycerophosphoinositol (GroPIns) and glycerophosphoethanolamine (GroPEth), to yield a glycerol phosphate and an alcohol (By similarity). Hydrolyzes glycerophospho-N-acylethanolamines to N- acylethanolamines in the brain and participates in bioactive N- acylethanolamine biosynthesis such as anandamide (an endocannabinoid), N-palmitoylethanolamine (an anti-inflammatory), and N-oleoylethanolamine (an anorexic). In addition, has a lysophospholipase D activity by hydrolyzing N-acyl-lysoplasmenylethanolamine (N-acyl- lysoPlsEt) to N-acylethanolamine. However lysophospholipase D activity is lower than glycerophosphodiester phosphodiesterase activity (By similarity). Has little or no activity towards glycerophosphocholine (By similarity).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q9JL55}; Multi-pass membrane protein. Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:Q9JL55}; Multi-pass membrane protein. Note=Perinuclear vesicles and cell membrane {ECO:0000250|UniProtKB:Q9JL55}

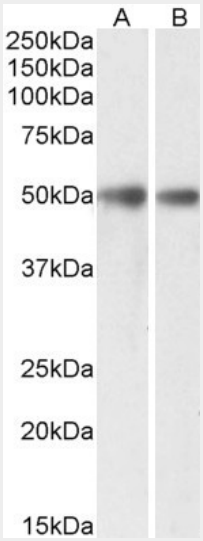
Tissue Location
Widely expressed..

Goat Anti-GDE1 / MIR16 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-GDE1 / MIR16 Antibody (internal region) - Images



AF4255a (0.3 µg/ml) staining of Mouse (A) and Rat (B) Brain lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-GDE1 / MIR16 Antibody (internal region) - References

Genomic organization, characterization, and molecular 3D model of GDE1, a novel mammalian glycerophosphoinositol phosphodiesterase. Bachmann AS, Duennebier FF, Mocz G. Gene 2006 Apr 371 (1): 144-53.