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GDE1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18638c

Specification

GDE1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9NZC3

GDE1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 51573

Other Names
Glycerophosphodiester phosphodiesterase 1, Membrane-interacting protein of RGS16, RGS16-interacting membrane protein, GDE1, MIR16

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GDE1 Antibody (Center) Blocking Peptide - 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..

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GDE1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

GDE1 Antibody (Center) Blocking Peptide - Images

GDE1 Antibody (Center) Blocking Peptide - Background

GDE1 has glycerophosphoinositol phosphodiesterase activity. Has little or no activity towards glycerophosphocholine. GDE1 activity can be modulated by G-protein signaling pathways (By similarity).

GDE1 Antibody (Center) Blocking Peptide - References

Zhang, X., et al. Cancer Res. 70(18):7176-7186(2010)Corthals, S.L., et al. Leuk. Res. 34(5):677-681(2010)Simon, G.M., et al. J. Biol. Chem. 283(14):9341-9349(2008)Ma, J., et al. Atherosclerosis 191(1):63-72(2007)Bachmann, A.S., et al. Gene 371(1):144-153(2006)