

MGLL Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16876a

Specification

MGLL Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O99685
Other Accession	NP_001003794.1 , NP_009214.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33261
Antigen Region	34-63

MGLL Antibody (N-term) - Additional Information

Gene ID 11343

Other Names

Monoglyceride lipase, MGL, HU-K5, Lysophospholipase homolog, Lysophospholipase-like, Monoacylglycerol lipase, MAGL, MGLL

Target/Specificity

This MGLL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-63 amino acids from the N-terminal region of human MGLL.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

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

Precautions

MGLL Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MGLL Antibody (N-term) - Protein Information

Name MGLL ([HGNC:17038](#))

Function Converts monoacylglycerides to free fatty acids and glycerol (PubMed:[19029917](#),

PubMed:[20079333](#), PubMed:[21049984](#), PubMed:[22969151](#), PubMed:[24368842](#)). Hydrolyzes the endocannabinoid 2- arachidonoylglycerol, and thereby contributes to the regulation of endocannabinoid signaling, nociception and perception of pain (PubMed:[19029917](#), PubMed:[20079333](#), PubMed:[21049984](#), PubMed:[22969151](#), PubMed:[24368842](#)). Regulates the levels of fatty acids that serve as signaling molecules and promote cancer cell migration, invasion and tumor growth (PubMed:[20079333](#)).

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:O35678}. Membrane {ECO:0000250|UniProtKB:O35678}; Peripheral membrane protein {ECO:0000250|UniProtKB:O35678}

Tissue Location

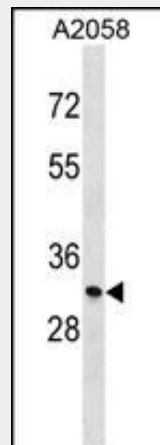
Detected in adipose tissue, lung, liver, kidney, brain and heart.

MGLL Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MGLL Antibody (N-term) - Images



MGLL Antibody (N-term) (Cat. #AP16876a) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the MGLL antibody detected the MGLL protein (arrow).

MGLL Antibody (N-term) - Background

Monoglyceride lipase (MGLL; EC 3.1.1.23) functions together with hormone-sensitive lipase (LIPE; MIM 151750) to hydrolyze intracellular triglyceride stores in adipocytes and other cells to fatty acids and glycerol. MGLL may also complement lipoprotein lipase (LPL; MIM 238600) in completing hydrolysis of

monoglycerides resulting from degradation of lipoprotein triglycerides (Karlsson et al., 2001 [PubMed 11470505]).[supplied by OMIM].

MGLL Antibody (N-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)

Karageorgos, I., et al. Mol Biosyst 6(8):1381-1388(2010)

Bertrand, T., et al. J. Mol. Biol. 396(3):663-673(2010)

Labar, G., et al. Chembiochem 11(2):218-227(2010)

Nomura, D.K., et al. Cell 140(1):49-61(2010)

MGLL Antibody (N-term) - Citations

- [The Monoacylglycerol Lipase Inhibitor JZL184 Inhibits Lung Cancer Cell Invasion and Metastasis via the CB Cannabinoid Receptor](#)