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Monoacylglycerol Lipase Antibody

Rabbit mAb
Catalog # AP92604

Product Information

Application	WB
Primary Accession	Q99685
Reactivity	Human
Clonality	Monoclonal
Other Names	HUK5; Lysophospholipase homolog; Lysophospholipase like; MAGL; MGL; MGLL;Monoacylglycerol lipase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	33261

Additional Information

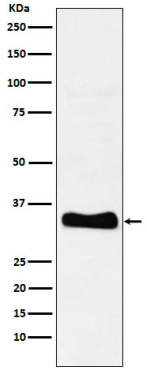
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Monoacylglycerol Lipase
Description	Converts monoacylglycerides to free fatty acids and glycerol. Hydrolyzes the endocannabinoid 2-arachidonoylglycerol, and thereby contributes to the regulation of endocannabinoid signaling, nociperception and perception of pain (By similarity).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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, nociperception 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.

Images



Western blot analysis of Monoacylglycerol Lipase expression in human heart lysate.