

LYPLA3 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant LYPLA3.****Catalog # AT2755a****Specification**

LYPLA3 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	Q8NCC3
Other Accession	NM_012320
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	46658

LYPLA3 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 23659**Other Names**

Group XV phospholipase A2, 231-, 1-O-acylceramide synthase, ACS, LCAT-like lysophospholipase, LLPL, Lysophospholipase 3, Lysosomal phospholipase A2, LPLA2, PLA2G15, LYPLA3

Target/Specificity

LYPLA3 (NP_036452, 314 a.a. ~ 412 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

LYPLA3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

LYPLA3 Antibody (monoclonal) (M01) - Protocols

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

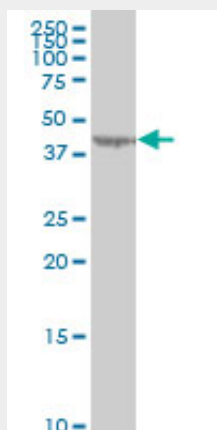
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

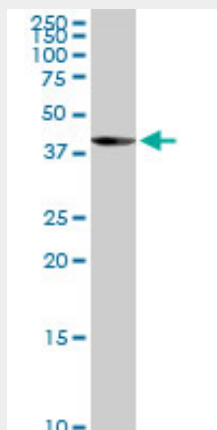
LYPLA3 Antibody (monoclonal) (M01) - Images



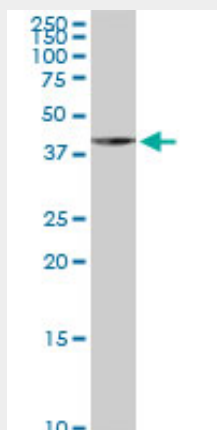
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



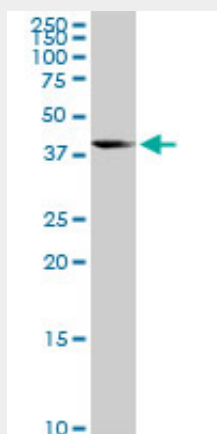
LYPLA3 monoclonal antibody (M01), clone 3B11 Western Blot analysis of LYPLA3 expression in HeLa ((Cat # AT2755a)



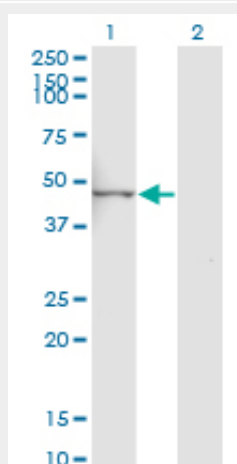
LYPLA3 monoclonal antibody (M01), clone 3B11. Western Blot analysis of LYPLA3 expression in PC-12((Cat # AT2755a)



LYPLA3 monoclonal antibody (M01), clone 3B11. Western Blot analysis of LYPLA3 expression in Raw 264.7((Cat # AT2755a)



LYPLA3 monoclonal antibody (M01), clone 3B11. Western Blot analysis of LYPLA3 expression in NIH/3T3((Cat # AT2755a)



Western Blot analysis of PLA2G15 expression in transfected 293T cell line by LYPLA3 monoclonal antibody (M01), clone 3B11.

Lane 1: PLA2G15 transfected lysate(46.7 KDa).

Lane 2: Non-transfected lysate.

LYPLA3 Antibody (monoclonal) (M01) - Background

Lysophospholipases are enzymes that act on biological membranes to regulate the multifunctional lysophospholipids. The protein encoded by this gene hydrolyzes lysophosphatidylcholine to glycerophosphorylcholine and a free fatty acid. This enzyme is present in the plasma and thought to be associated with high-density lipoprotein. A later paper contradicts the function of this gene. It demonstrates that this gene encodes a lysosomal enzyme instead of a lysophospholipase and has both calcium-independent phospholipase A2 and transacylase activities.

LYPLA3 Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121. Lipoprotein-associated phospholipase A2 and C-reactive protein for risk-stratification of patients with TIA. Cucchiara BL, et al. Stroke, 2009 Jul. PMID 19461040. Genetic variants and haplotypes of lipoprotein associated phospholipase A2 and their influence on cardiovascular disease (The Ludwigshafen Risk and Cardiovascular Health Study). Hoffmann MM, et al. J Thromb Haemost, 2009 Jan. PMID 18983494. The phospholipase A2 superfamily and its group numbering system. Schaloske RH, et al. Biochim Biophys Acta, 2006 Nov. PMID 16973413.