

LIPF Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant LIPF.****Catalog # AT2719a****Specification**

LIPF Antibody (monoclonal) (M01) - Product Information

| | |
|-------------------|---------------------------|
| Application | WB, E |
| Primary Accession | P07098 |
| Other Accession | NM_004190 |
| Reactivity | Human |
| Host | mouse |
| Clonality | Monoclonal |
| Isotype | IgG1 Kappa |
| Calculated MW | 45238 |

LIPF Antibody (monoclonal) (M01) - Additional Information**Gene ID** 8513**Other Names**

Gastric triacylglycerol lipase, GL, Gastric lipase, LIPF

Target/Specificity

LIPF (NP_004181, 299 a.a. ~ 398 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

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

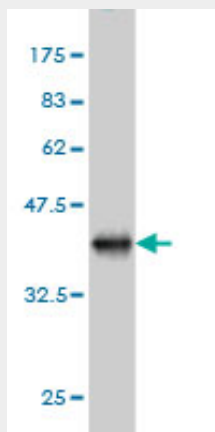
LIPF Antibody (monoclonal) (M01) - Protocols

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

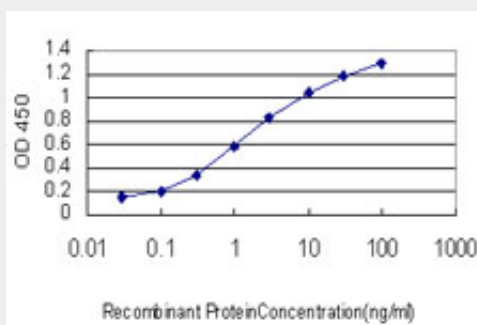
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

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

LIPF Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Detection limit for recombinant GST tagged LIPF is approximately 0.03ng/ml as a capture antibody.

LIPF Antibody (monoclonal) (M01) - Background

This gene encodes gastric lipase, an enzyme involved in the digestion of dietary triglycerides in the gastrointestinal tract, and responsible for 30% of fat digestion processes occurring in human. It is secreted by gastric chief cells in the fundic mucosa of the stomach, and it hydrolyzes the ester bonds of triglycerides under acidic pH conditions. The gene is a member of a conserved gene family of lipases that play distinct roles in neutral lipid metabolism.

LIPF Antibody (monoclonal) (M01) - References

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-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. Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Ruafo G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615. An 8-gene signature, including methylated and down-regulated glutathione peroxidase 3, of gastric cancer. Zhang X, et al. Int J Oncol, 2010 Feb. PMID 20043075. 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. Physiogenomic comparison of edema and BMI in patients receiving

rosiglitazone or pioglitazone. Rua?o G, et al. Clin Chim Acta, 2009 Feb. PMID 18996102.