

ACYP2 Antibody (monoclonal) (M06)**Mouse monoclonal antibody raised against a partial recombinant ACYP2.****Catalog # AT1039a****Specification**

ACYP2 Antibody (monoclonal) (M06) - Product Information

Application	WB, E
Primary Accession	P14621
Other Accession	NM_138448
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	11140

ACYP2 Antibody (monoclonal) (M06) - Additional Information**Gene ID 98****Other Names**

Acylphosphatase-2, Acylphosphatase, muscle type isozyme, Acylphosphate phosphohydrolase 2, ACYP2, ACYP

Target/Specificity

ACYP2 (NP_612457, 1 a.a. ~ 98 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

ACYP2 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

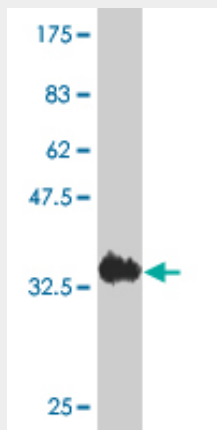
ACYP2 Antibody (monoclonal) (M06) - Protocols

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

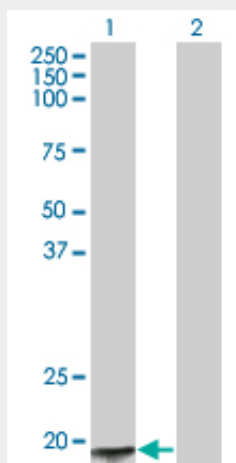
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

ACYP2 Antibody (monoclonal) (M06) - Images



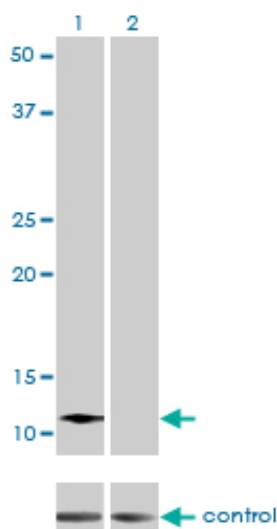
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .



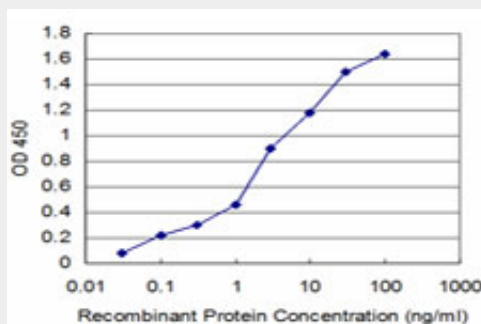
Western Blot analysis of ACYP2 expression in transfected 293T cell line by ACYP2 monoclonal antibody (M06), clone 2H7.

Lane 1: ACYP2 transfected lysate(11.1 KDa).

Lane 2: Non-transfected lysate.



Western blot analysis of ACYP2 over-expressed 293 cell line, cotransfected with ACYP2 Validated Chimera RNAi (Cat # AT1039a)



Detection limit for recombinant GST tagged ACYP2 is approximately 0.1ng/ml as a capture antibody.

ACYP2 Antibody (monoclonal) (M06) - Background

Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the $\text{Ca}^{2+}/\text{Mg}^{2+}$ -ATPase from sarcoplasmic reticulum of skeletal muscle. Two isoenzymes have been isolated, called muscle acylphosphatase and erythrocyte acylphosphatase on the basis of their tissue localization. This gene encodes the muscle-type isoform (MT). An increase of the MT isoform is associated with muscle differentiation.

ACYP2 Antibody (monoclonal) (M06) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Association of genetic variants with hemorrhagic stroke in Japanese individuals. Yoshida T, et al. Int J Mol Med, 2010 Apr. PMID 20198315. Assessment of a polymorphism of SDK1 with hypertension in Japanese Individuals. Oguri M, et al. Am J Hypertens, 2010 Jan. PMID 19851296. Mutational analysis of the aggregation-prone and disaggregation-prone regions of acylphosphatase. Calamai M, et al. J Mol Biol, 2009 Apr 10. PMID 18809411. Replication of a genome-wide case-control study of esophageal squamous cell carcinoma. Ng D, et al. Int J Cancer, 2008 Oct 1. PMID 18649358.