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ACYP2 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant ACYP2.
Catalog # AT1039a

Product Information

Application	WB, E
Primary Accession	P14621
Other Accession	NM_138448
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2H7
Calculated MW	11140

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 E~~N/A
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.

Background

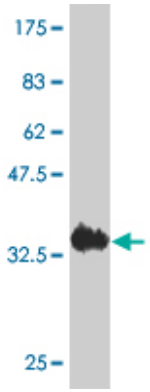
Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the Ca2+/Mg2+-ATPase from sarcoplasmic reticulum of skeletal muscle. Two isoenzymes have been isolated, called muscle acylphosphatase and erythrocyte acylphosphatase on the basis of their tissue localization. This gene encodes the muscle-type isoform (MT). An increase of the MT isoform is associated with muscle differentiation.

References

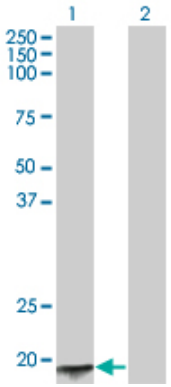
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype

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.

Images

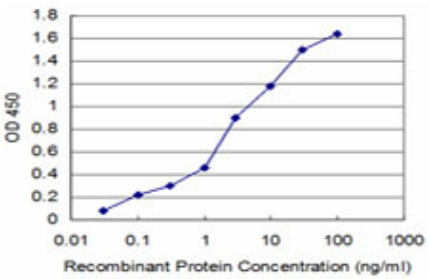


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .

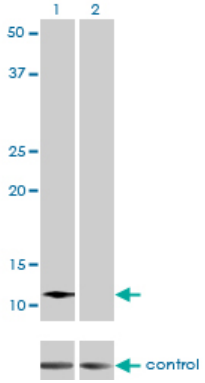


Western Blot analysis of ACYP2 expression in transfected 293T cell line by ACYP2 monoclonal antibody (M06), clone 2H7.

Lane 1: ACYP2 transfected lysate(11.1 KDa).
Lane 2: Non-transfected lysate.



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.