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GPD1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GPD1.
Catalog # AT2242a

Product Information

Application	WB, E
Primary Accession	P21695
Other Accession	BC032234
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3C10-1C4
Calculated MW	37568

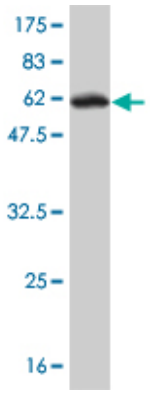
Additional Information

Gene ID	2819
Other Names	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic, GPD-C, GPDH-C, GPD1
Target/Specificity	GPD1 (AAH32234, 1 a.a. ~ 349 a.a) full-length 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	GPD1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

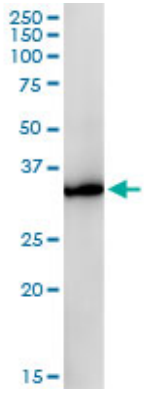
References

The influence of obstructive sleep apnea on the expression of glycerol-3-phosphate dehydrogenase 1 gene. Guindalini C, et al. Exp Biol Med (Maywood), 2010 Jan. PMID 20404019.[Colorectal cancer 2D-proteomics: identification of altered protein expression] Krasnov GS, et al. Mol Biol (Mosk), 2009 Mar-Apr. PMID 19425502.Decreased levels of metabolic enzymes in pancreatic islets of patients with type 2 diabetes. MacDonald MJ, et al. Diabetologia, 2009 Jun. PMID 19296078.GRB14, GPD1, and GDF8 as potential network collaborators in weight loss-induced improvements in insulin action in human skeletal muscle. Park JJ, et al. Physiol Genomics, 2006 Oct 11. PMID 16849634.Crystal structures of human glycerol 3-phosphate dehydrogenase 1 (GPD1). Ou X, et al. J Mol Biol, 2006 Mar 31. PMID 16460752.

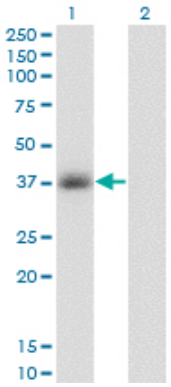
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (64.13 KDa) .

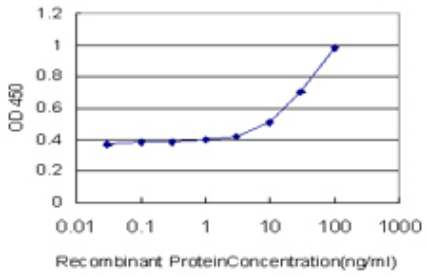


GPD1 monoclonal antibody (M01), clone 3C10-1C4. Western Blot analysis of GPD1 expression in human kidney.



Western Blot analysis of GPD1 expression in transfected 293T cell line by GPD1 monoclonal antibody (M01), clone 3C10-1C4.

Lane 1: GPD1 transfected lysate (Predicted MW: 37.6 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged GPD1 is approximately 1ng/ml as a capture antibody.

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