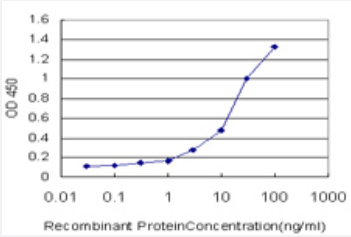
ACP1 monoclonal antibody (M01), clone 4B10

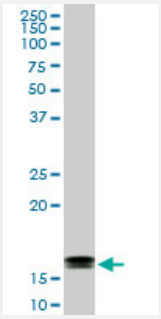
Catalog # H00000052-M01 Size 100 ug

Applications



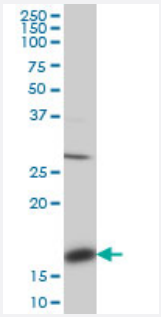
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ACP1 is approximately 3ng/ml as a capture antibody.



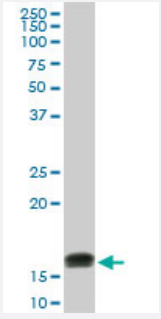
Western Blot (Cell lysate)

ACP1 monoclonal antibody (M01), clone 4B10. Western Blot analysis of ACP1 expression in NIH/3T3 (Cat # L018V1).



Western Blot (Cell lysate)

ACP1 monoclonal antibody (M01), clone 4B10. Western Blot analysis of ACP1 expression in HeLa (Cat # L013V1).



Western Blot (Cell lysate)

ACP1 monoclonal antibody (M01), clone 4B10. Western Blot analysis of ACP1 expression in PC-12 (Cat # L012V1).

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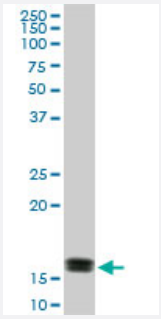
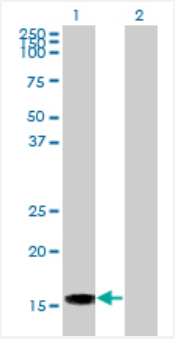


Western Blot (Cell lysate)

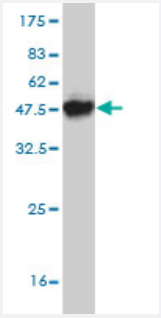
ACP1 monoclonal antibody (M01), clone 4B10. Western Blot analysis of ACP1 expression in Raw 264.7 (Cat # L024V1).



Western Blot (Transfected lysate)

Western Blot analysis of ACP1 expression in transfected 293T cell line by ACP1 monoclonal antibody (M01), clone 4B10.

Lane 1: ACP1 transfected lysate(18 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (43.12 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant ACP1.
Immunogen	ACP1 (AAH07422, 1 a.a. ~ 158 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAEQATKSVLFVCLGNICRSPIAEAVFRKLVTDQNISENWVIDSGAVSDWNVGRSPDPRAVSCLRNHGIHTAHKARQITKEDFATFDYILCMDESNLRDLNRKSNQVKTCKAKIELLGSYDPQKQLIIEDPYYGNDSDFETVYQQCVRCCRAFLEKAH
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (81)

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Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.12 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged ACP1 is approximately 3ng/ml as a capture antibody.

  Protocol Download

- Western Blot (Cell lysate)

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  Protocol Download

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  ACP1 monoclonal antibody (M01), clone 4B10. Western Blot analysis of ACP1 expression in Raw 264.7 (Cat # L024V1).

  Protocol Download

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- Western Blot (Transfected lysate)

  Western Blot analysis of ACP1 expression in transfected 293T cell line by ACP1 monoclonal antibody (M01), clone 4B10.

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  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

Gene Info — ACP1

Entrez GeneID	52
GeneBank Accession#	BC007422
Protein Accession#	AAH07422
Gene Name	ACP1
Gene Alias	HAAP, MGC111030, MGC3499
Gene Description	acid phosphatase 1, soluble
Omim ID	171500
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the phosphotyrosine protein phosphatase family of proteins. It functions as an acid phosphatase and a protein tyrosine phosphatase by hydrolyzing protein tyrosine phosphate to protein tyrosine and orthophosphate. This enzyme also hydrolyzes orthophosphoric monoesters to alcohol and orthophosphate. This gene is genetically polymorphic, and three common alleles segregating at the corresponding locus give rise to six phenotypes. Each allele appears to encode at least two electrophoretically different isozymes, Bf and Bs, which are produced in allele-specific ratios. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq
Other Designations	acid phosphatase of erythrocyte|adipocyte acid phosphatase|cytoplasmic phosphotyrosyl protein phosphatase|low molecular weight phosphotyrosine protein phosphatase|protein tyrosine phosphatase|red cell acid phosphatase 1

Pathway

- Adherens junction

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- gamma-Hexachlorocyclohexane degradation
- Riboflavin metabolism

Disease

- Abortion
- Asthma
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Birth Weight
- Cardiovascular Diseases
- Colon cancer
- Colonic Neoplasms
- Coronary Artery Disease
- Crohn Disease
- Dermatitis
- Diabetes
- Diabetes Mellitus
- Diabetic Ketoacidosis
- Edema
- Endometriosis
- Fetal Growth Retardation
- Genetic Predisposition to Disease
- Hyperlipidemias
- Hypersensitivity
- Insulin Resistance
- Leiomyoma

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- Liver Cirrhosis
- Lupus Erythematosus
- Malaria
- Neoplasms
- Obesity
- Osteoporosis
- Pregnancy in Diabetics
- Prenatal Exposure Delayed Effects
- Tobacco Use Disorder
- Tourette Syndrome
- Tuberculosis
- Uterine Neoplasms

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