ACP1 rabbit monoclonal antibody

Catalog # H00000052-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ACP1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ACP1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ACP1 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- ELISA

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- Western Blot (Transfected lysate)

  Protocol Download

Gene Info — ACP1

Entrez GeneID	52
GeneBank Accession#	ACP1
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 tyros ine phosphate to protein tyrosine and orthophosphate. This enzyme also hydrolyzes orthophospho ric monoesters to alcohol and orthophosphate. This gene is genetically polymorphic, and three co mmon alleles segregating at the corresponding locus give rise to six phenotypes. Each allele app ears 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 phosph atase|red cell acid phosphatase 1

Pathway

- Adherens junction
- gamma-Hexachlorocyclohexane degradation
- Riboflavin metabolism

Disease

- Abortion

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- 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
- Liver Cirrhosis
- Lupus Erythematosus
- Malaria
- Neoplasms
- Obesity

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- Osteoporosis
- Pregnancy in Diabetics
- Prenatal Exposure Delayed Effects
- Tobacco Use Disorder
- Tourette Syndrome
- Tuberculosis
- Uterine Neoplasms

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