

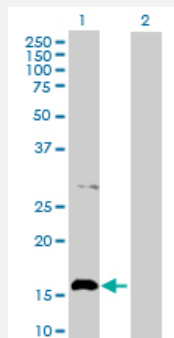
MaxPab®

ACP1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000052-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACP1 expression in transfected 293T cell line ([H00000052-T01](#)) by ACP1 MaxPab polyclonal antibody.

Lane 1: ACP1 transfected lysate(18.00 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ACP1 protein.
Immunogen	ACP1 (NP_009030.1, 1 a.a. ~ 158 a.a) full-length human protein.
Sequence	MAEQATKSVLFVCLGNICRSPIAEAVFRKLVTDQNISENWVIDSGAVSDWNVGRSPDPRAVSCLR NHGIHTAHKARQITKEDFATFDYILCMDESNLRDLNRKSNQVKTKAKIELLGSYDPQKQLIIEDPYY GNDSDFETVYQQCVRCRAFLEKAH
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ACP1 expression in transfected 293T cell line ([H00000052-T01](#)) by ACP1 MaxPab polyclonal antibody.

Lane 1: ACP1 transfected lysate(18.00 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ACP1

Entrez GeneID [52](#)

GeneBank Accession# [NM_007099.2](#)

Protein Accession# [NP_009030.1](#)

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](#)

- [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](#)

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