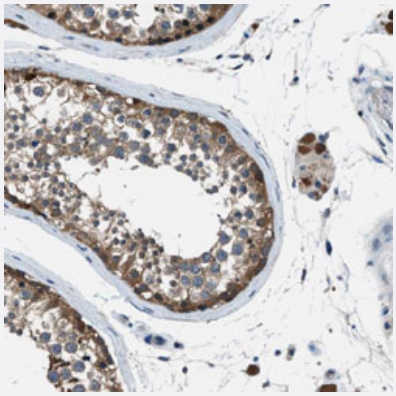
ACP1 polyclonal antibody

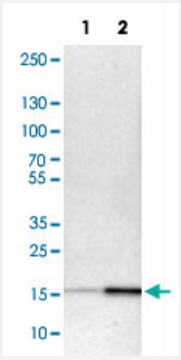
Catalog # PAB31465 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testis with ACP1 polyclonal antibody (Cat # PAB31465) shows cytoplasmic positivity of cells in seminiferous ducts.



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) with ACP1 polyclonal antibody (Cat # PAB31465).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human ACP1.
Immunogen	Recombinant protein corresponding to human ACP1.
Sequence	ENWRVDSAATSGYEIGNPPDYRGQSCMKRHGIPMSHVARQITKEDFATFDYILCMDESNLRDLNR KSNQVKTCKAKIELLGSYDPQKQLIIEDPYYGNDSDFETVYQ
Host	Rabbit
Reactivity	Human, Mouse, Rat

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testis with ACP1 polyclonal antibody (Cat # PAB31465) shows cytoplasmic positivity of cells in seminiferous ducts.

- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) with ACP1 polyclonal antibody (Cat # PAB31465).

Gene Info — ACP1

Entrez GeneID	52
Protein Accession#	P24666
Gene Name	ACP1
Gene Alias	HAAP, MGC111030, MGC3499
Gene Description	acid phosphatase 1, soluble
Omim ID	171500
Gene Ontology	Hyperlink

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.