



Rabbit Anti-Human ACP1 Polyclonal Antibody (CABT-L2034)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Acid Phosphatase 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against ACP1. It has been selected for its ability to recognize ACP1 in immunohistochemical staining and western blotting.
Target	ACP1
Immunogen	Recombinant fragment corresponding to human ACP1 (Met1~His158)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	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, Aug 2008]
Keywords	HAAP;Low Molecular Weight Phosphotyrosine Protein Phosphatase;Adipocyte acid phosphatase;Red cell acid phosphatase 1;LMW-PTPase

GENE INFORMATION

Gene Name	ACP1 acid phosphatase 1, soluble [Homo sapiens (human)]
Official Symbol	ACP1
Synonyms	ACP1; acid phosphatase 1, soluble; HAAP; low molecular weight phosphotyrosine protein phosphatase; LMW-PTP; LMW-PTPase; adipocyte acid phosphatase; red cell acid phosphatase 1; protein tyrosine phosphatase; acid phosphatase of erythrocyte; cytoplasmic phosphotyrosyl protein phosphatase; low molecular weight cytosolic acid phosphatase;
Entrez Gene ID	52
Protein Refseq	NP_001035739
UniProt ID	P24666
Chromosome Location	2p25
Pathway	Adherens junction; EPHA2 forward signaling; PDGFR-beta signaling pathway; Riboflavin metabolism;
Function	acid phosphatase activity; non-membrane spanning protein tyrosine phosphatase activity; protein binding;