

Product datasheet for **TA356164**

Acid Phosphatase (ACP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of human ACP1
Specificity:	Expected reactivity: Cow, Dog, Goat, Guinea Pig, Horse, Human, Rabbit, Rat Homology: Cow: 93%; Dog: 79%; Goat: 85%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Rabbit: 86%; Rat: 93%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	9kDa
Gene Name:	acid phosphatase 1, soluble
Database Link:	NP_001035739.1 Entrez Gene 52 Human P24666



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Background:

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.

Synonyms:

HAAP; LMW-PTP; LMW-PTPase; MGC3499; MGC111030

Protein Families:

Druggable Genome, Phosphatase, Transmembrane

Protein Pathways:

Adherens junction, Riboflavin metabolism

Product images:

Host: Rabbit
Target Name: ACP1
Sample Type: Pancreas Tumor lysates
Antibody Dilution: 1.0ug/ml