

ACP1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9411a**Specification**

ACP1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P24666](#)

ACP1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 52

Other Names

Low molecular weight phosphotyrosine protein phosphatase, LMW-PTP, LMW-PTPase, Adipocyte acid phosphatase, Low molecular weight cytosolic acid phosphatase, Red cell acid phosphatase 1, ACP1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ACP1 Antibody (N-term) Blocking Peptide - Protein Information

Name ACP1 ([HGNC:122](#))

Function

Acts on tyrosine phosphorylated proteins, low-MW aryl phosphates and natural and synthetic acyl phosphates with differences in substrate specificity between isoform 1 and isoform 2.

Cellular Location

Cytoplasm.

Tissue Location

[Isoform 2]: Expressed in T-lymphocytes.

ACP1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ACP1 Antibody (N-term) Blocking Peptide - Images**ACP1 Antibody (N-term) Blocking Peptide - Background**

ACP1 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.

ACP1 Antibody (N-term) Blocking Peptide - References

Saccucci, P., et al. Med. Sci. Monit. 15 (10), CR511-CR517 (2009) :Shu, Y.H., et al. J. Clin. Endocrinol. Metab. 94(10):4094-4102(2009)Apelt, N., et al. Metab. Clin. Exp. 58(10):1415-1423(2009)Banci, M., et al. Cardiology 113(4):236-242(2009)Rousseff, R.T., et al. Neuropediatrics 39(6):354-356(2008)