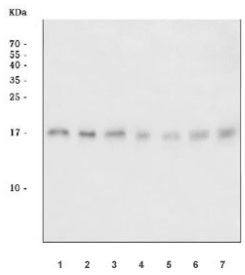
ACP1 Antibody / Adipocyte acid phosphatase (RQ7139)

Catalog No.	Formulation	Size
RQ7139	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P24666
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This ACP1 antibody is available for research use only.



Western blot testing of 1) human PC-3, 2) human HeLa, 3) human HepG2, 4) rat C6, 5) rat PC-12, 6) mouse 4T1 and 7) mouse C2C12 cell lysate with ACP1 antibody. Predicted molecular weight 12-18 kDa (isoforms 1-4).

Description

Low molecular weight phosphotyrosine protein phosphatase is an enzyme that in humans is encoded by the ACP1 gene. 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.

Application Notes

Optimal dilution of the ACP1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-H158) was used as the immunogen for the ACP1 antibody.

Storage

After reconstitution, the ACP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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