

## ARG57057 anti-Acid Phosphatase antibody [5C11]

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [5C11] recognizes Acid Phosphatase
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	5C11
Isotype	IgG1, kappa
Target Name	Acid Phosphatase
Species	Human
Immunogen	Recombinant fragment around aa. 1-158 of Human Acid Phosphatase.
Conjugation	Un-conjugated
Alternate Names	Low molecular weight phosphotyrosine protein phosphatase; LMW-PTP; HAAP; Red cell acid phosphatase 1; EC 3.1.3.2; Low molecular weight cytosolic acid phosphatase; Adipocyte acid phosphatase; EC 3.1.3.48; LMW-PTPase

### Application Instructions

Application table	Application	Dilution
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Database links

[GeneID: 52 Human](#)

[Swiss-port # P24666 Human](#)

### Gene Symbol

ACP1

### Gene Full Name

acid phosphatase 1, soluble

### 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. [provided by RefSeq, Aug 2008]

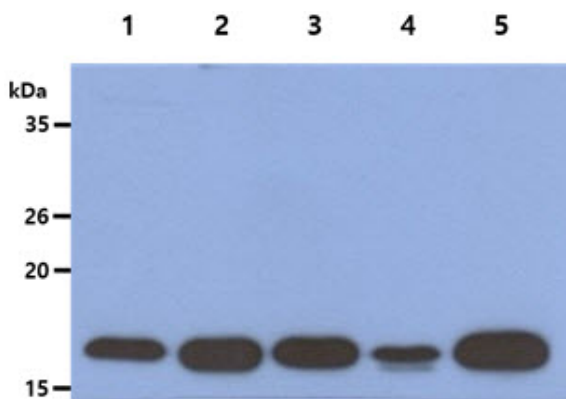
### Function

Acts on tyrosine phosphorylated proteins, low-MW aryl phosphates and natural and synthetic acyl phosphates. Isoform 3 does not possess phosphatase activity. [UniProt]

### Calculated Mw

18 kDa

## Images



ARG57057 anti-Acid Phosphatase antibody [5C11] WB image

Western blot: 40  $\mu$ g of 1) HeLa cell lysate, 2) Jurkat cell lysate, 3) TF-1 cell lysate, 4) NIH/3T3 cell lysate, 5) HepG2 cell lysate stained with ARG57057 anti-Acid Phosphatase antibody [5C11] at 1:1000.