

For Research Use Only

ACP1 Recombinant monoclonal antibody, PBS Only

Catalog Number:86817-1-PBS



Basic Information

Catalog Number: 86817-1-PBS	GenBank Accession Number: BC007422	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 52	CloneNo.: 251838C3
Isotype: IgG	UNIPROT ID: P24666	
Immunogen Catalog Number: AG17539	Full Name: acid phosphatase 1, soluble	
	Calculated MW: 158 aa, 18 kDa	
	Observed MW: 18 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Acid phosphatase 1 (ACP1) is a low-molecular-weight phosphotyrosine protein phosphatase known to participate in various cellular processes, including signal transduction, proliferation, and metabolism. It functions by dephosphorylating tyrosine-phosphorylated proteins, thereby modulating receptor-mediated signaling pathways.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

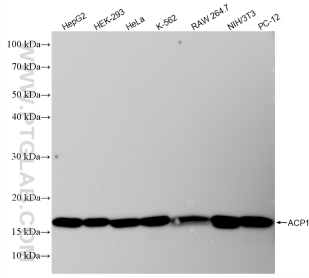
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

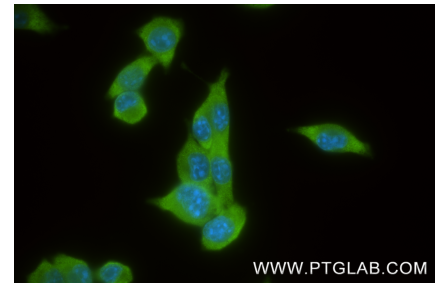
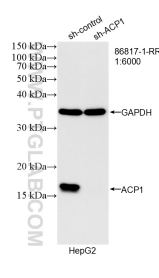
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Selected Validation Data

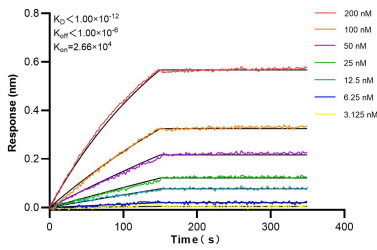


Various lysates were subjected to SDS PAGE followed by western blot with 86817-1-RR (ACP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86817-1-PBS in a different storage buffer formulation.

WB result of ACP1 antibody (86817-1-RR; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACP1 transfected HepG2 cells. This data was developed using the same antibody clone with 86817-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed 4T1 cells using ACP1 antibody (86817-1-RR, Clone: 251838C3) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86817-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86817-1-RR against Human ACP1 were performed. The affinity constant is below 1 pM.