

Mouse ACP1 Monoclonal Antibody | anti-ACP1 antibody

ACP1 (Low Molecular Weight Phosphotyrosine Protein Phosphatase, LMW-PTP, LMW-PTPase, Low Molecular Weight Cytosolic Acid Phosphatase, Red Cell Acid Phosphatase 1, PTPase, Adipocyte Acid Phosphatase) (HRP)

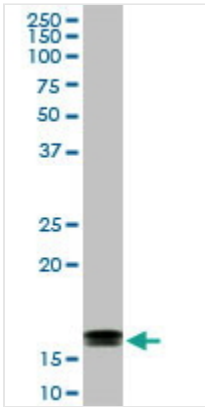
CATALOG # AAA25302	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

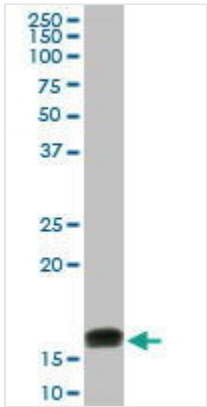
ACP1; Monoclonal Antibody; ACP1 (Low Molecular Weight Phosphotyrosine Protein Phosphatase; LMW-PTP; LMW-PTPase; Low Molecular Weight Cytosolic Acid Phosphatase; Red Cell Acid Phosphatase 1; PTPase; Adipocyte Acid Phosphatase) (HRP); anti-ACP1 antibody

PRODUCT SPECIFICATIONS

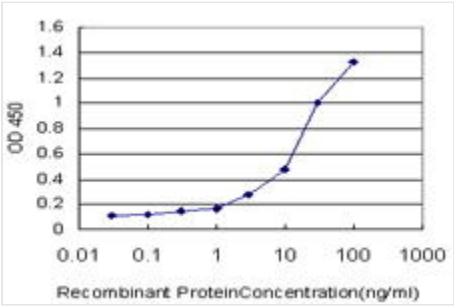
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4B10
Specificity	Recognizes human ACP1. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-ACP1 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-158 from human ACP1 (AAH07422) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAEQATKSVLFCVLGNICRSPIAEAVFRKLVTDQNISENWVIDSGAVSDWNVGRSPDPRAVSCLRNHGIHTAHKARQITKEDFATFDYILCMDESNLRDLN
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase activity. Centrifuge the original vial after thawing and prior to removing the cap.



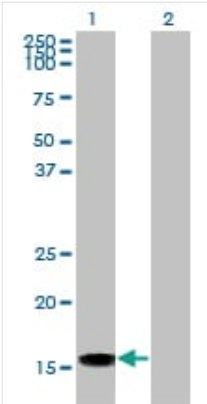
WB (Western Blot)
ACP1 monoclonal antibody Western Blot analysis of ACP1 expression in NIH/3T3.



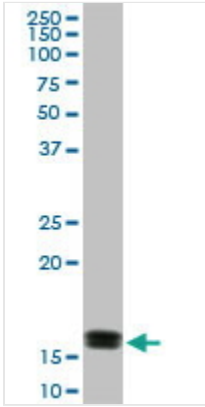
WB (Western Blot)
ACP1 monoclonal antibody Western Blot analysis of ACP1 expression in PC-12.



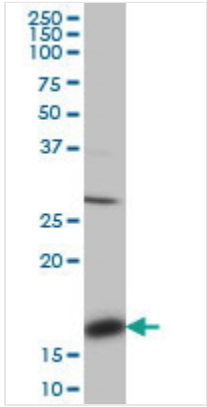
Application Data
Detection limit for recombinant GST tagged ACP1 is ~3ng/ml as a capture antibody.



WB (Western Blot)
Western Blot analysis of ACP1 expression in transfected 293T cell line by ACP1 monoclonal antibody. Lane 1: ACP1 transfected lysate (18kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
ACP1 monoclonal antibody Western Blot analysis of ACP1 expression in Raw 264.7.



WB (Western Blot)
ACP1 monoclonal antibody Western Blot analysis of ACP1 expression in HeLa.

ADDITIONAL INFORMATION

Related Product Information for anti-ACP1 antibody	Acts on tyrosine phosphorylated proteins, low-MW aryl phosphates and natural and synthetic acyl phosphates. Isoform 3 does not possess phosphatase activity.
Product Categories/Family for anti-ACP1 antibody	Antibodies; Enzymes; Phosphatase

NCBI AND UNIPROT INFORMATION

NCBI GI #	38114712
NCBI GeneID	52
Molecular Weight	12,230 Da
NCBI Official Full Name	Homo sapiens acid phosphatase 1, soluble, mRNA
NCBI Official Synonym Full Names	acid phosphatase 1, soluble
NCBI Official Symbol	ACP1
NCBI Official Synonym Symbols	HAAP; LMW-PTP
NCBI Protein Information	low molecular weight phosphotyrosine protein phosphatase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/acp1-antibody-clone-4b10-western-blot-elisa/25302>