

Rabbit anti-Human ACP1 Polyclonal Antibody | anti-ACP1 antibody

ACP1 Antibody (N-term)

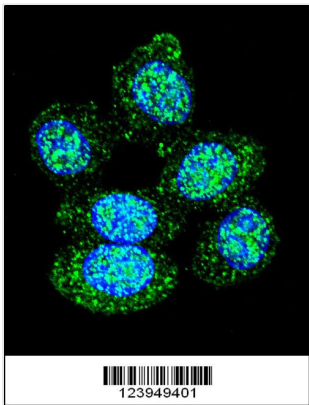
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288726	Rabbit	Human	Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

ACP1; Polyclonal Antibody; ACP1 Antibody (N-term); Low molecular weight phosphotyrosine protein phosphatase; LMW-PTP; LMW-PTPase; Adipocyte acid phosphatase; Low molecular weight cytosolic acid phosphatase; Red cell acid phosphatase 1; anti-ACP1 antibody

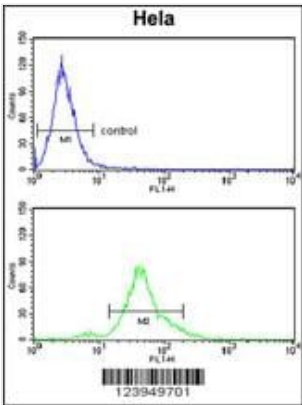
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ACP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-61 amino acids from the N-terminal region of human ACP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	33-61
Sequence Length	158
Applicable Applications for anti-ACP1 antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



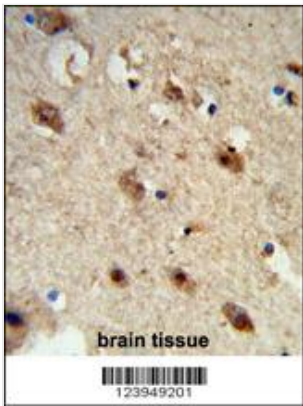
IF (Immunofluorescence)

Confocal immunofluorescent analysis of ACP1 Antibody (N-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



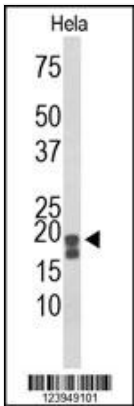
FCM/FACS (Flow Cytometry)

ACP1 Antibody (N-term) flow cytometry analysis of Hela cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with ACP1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of ACP1 Antibody (N-term) in Hela cell line lysates (35ug/lane). ACP1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ACP1 antibody	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.
Product Categories/Family for anti-ACP1 antibody	Cancer; Cell Biology; Signal transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757714
NCBI GeneID	52
NCBI Accession #	NP_004291.1; NP_009030.1

NCBI GenBank Nucleotide #	NM_004300.3
UniProt Accession #	P24666; P24667; Q16035; Q16036; Q16725; Q3KQX8; Q53RU0; A8K1L9; B5MCC7
Molecular Weight	18042
NCBI Official Full Name	low molecular weight phosphotyrosine protein phosphatase isoform c
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
UniProt Protein Name	Low molecular weight phosphotyrosine protein phosphatase
UniProt Gene Name	ACP1
UniProt Synonym Gene Names	LMW-PTP; LMW-PTPase
UniProt Entry Name	PPAC_HUMAN

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/polyclonal/acp1-antibody-immunofluorescence-flow-cytometry-immunohistochemistry-western-blot-elisa/288726>