

Mouse anti-Human ACP1 Monoclonal Antibody | anti-ACP1 antibody

ACP1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48196	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

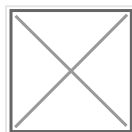
PRODUCT SYNONYMS

ACP1; Monoclonal Antibody; ACP1 antibody; Acid phosphatase 1 soluble isoform b; Acid phosphatase 1; soluble isoform b; HAAP; LMW-PTP; Red cell acid phosphatase 1; Adipocyte acid phosphatase; soluble isoform b Acid phosphatase 1 soluble; Adipocyte acid phosphatase Cytoplasmic phosphotyrosyl protein phosphatase; Low molecular weight phosphotyrosine protein phosphatase; Acid phosphatase of erythrocyte; PAP2; Protein tyrosine phosphatase; PTPase; Purple acid phosphatase; Red cell acid phosphatase 1.; anti-ACP1 antibody

PRODUCT SPECIFICATIONS

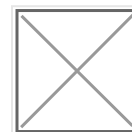
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT5C11
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	158
Applicable Applications for anti-ACP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ACP1 (1-158aa) purified from E. coli
Clone Note	Anti-human ACP1 mAb, clone AT5C11, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ACP1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ACP1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human ACP1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ACP1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : HeLa cell lysate Lane 2. : Jurkat cell lysate Lane 3. : TF-1 cell lysate Lane 4. : NIH/3T3 cell lysate Lane 5. : HepG2 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ACP1 antibody	Low molecular weight phosphotyrosine protein phosphatase, also known as ACP1, is an enzyme that catalyzes the transfer of phosphate from phosphate ester substrates to suitable acceptor alcohols such as methanol and glycerol. And, It functions as an acid phosphatase and a protein tyrosine phosphatase by hydrolyzing protein tyrosine phosphate to protein tyrosine and orthophosphate.
Product Categories/Family for anti-ACP1 antibody	Cell Cycle
References	Junien C., et al. (1979) Hum Genet. 48 (1): 17-21.; Dissing J., et al. (1992) Biochim Biophys Acta. 1121: 261-268.; Lazaruk KD., et al. (1993) Biochem Biophys Res Commun. 196: 440-446.; Bryson GL., et al. (1995) Genomics. 30: 133-140.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6005988
NCBI GeneID	52
NCBI Accession #	NP_009030
NCBI GenBank Nucleotide #	NM_007099.3
UniProt Accession #	P24666; P24667; Q16035; Q16036; Q16725; Q3KQX8; Q53RU0; A8K1L9; B5MCC7
Molecular Weight	12,230 Da
NCBI Official Full Name	low molecular weight phosphotyrosine protein phosphatase isoform b
NCBI Official Synonym Full Names	acid phosphatase 1
NCBI Official Symbol	ACP1
NCBI Official Synonym Symbols	HAAP; LMWPTP; 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

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.