

Rabbit ACP1 Polyclonal Antibody | anti-ACP1 antibody

ACP1 antibody - N-terminal region

CATALOG # AAA199062	HOST Rabbit	REACTIVITY Cow, Horse, Human, Mouse, Pig, Rabbit, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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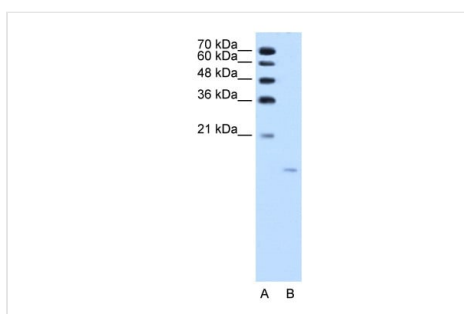
PRODUCT SYNONYMS

ACP1; Polyclonal Antibody; ACP1 antibody - N-terminal region; anti-ACP1 antibody

PRODUCT SPECIFICATIONS

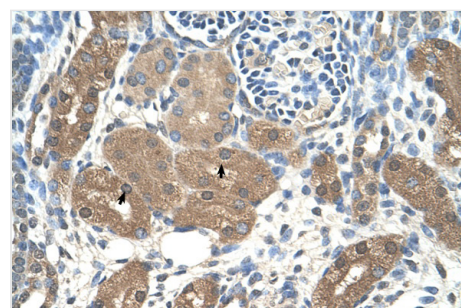
Host	Rabbit
Reactivity	Cow, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PI AEAVFRKLVT DQNIENWRV DSAATSGYEI GNPPDYRGQS CMKRHGIP
Sequence Length	158
Applicable Applications for anti-ACP1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 83%; Horse: 100%; Human: 100%; Mouse: 92%; Pig: 92%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ACP1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-ACP1 Antibody Titration: 1.25ug/ml
Positive Control: Jurkat cell lysate
ACP1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



IHC (Immunohistochemistry)

Rabbit Anti-ACP1 Antibody
Paraffin Embedded Tissue: Human Kidney
Cellular Data: Epithelial cells of renal tubule
Antibody Concentration: 4.0-8.0 ug/ml
Magnification: 400X

ADDITIONAL INFORMATION

Related Product Information for anti-ACP1 antibody	This is a rabbit polyclonal antibody against ACP1. It was validated on Western Blot and immunohistochemistry Target Description: 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. 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. Three transcript variants encoding distinct isoforms have been identified for this gene.
Product Categories/Family for anti-ACP1 antibody	Polyclonal; Tissue Specific & Cell Marker; Immunohistochemistry

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757714
NCBI GeneID	52
NCBI Accession #	NP_004291
NCBI GenBank Nucleotide #	NM_004300
UniProt Accession #	P24666
Molecular Weight	17kDa
NCBI Official Full Name	low molecular weight phosphotyrosine protein phosphatase isoform c
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/acp1-antibody-western-blot-immunohistochemistry-elisa/199062>