# antibodies - online.com







## anti-ACP1 antibody (N-Term)



**Images** 



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Quantity:	100 μL
Target:	ACP1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

#### **Product Details**

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ACP1
Sequence:	PIAEAVFRKL VTDQNISENW RVDSAATSGY EIGNPPDYRG QSCMKRHGIP
Predicted Reactivity:	Cow: 83%, Horse: 100%, Human: 100%, Mouse: 92%, Pig: 92%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ACP1. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

### **Target Details**

Target:	ACP1
Alternative Name:	ACP1 (ACP1 Products)

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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.

Alias Symbols: HAAP, MGC111030, MGC3499

Protein Interaction Partner: EGFR, US3, VCAM1, ITGA4, FN1, BARD1, RPL12, UBC, COPS5, CDK2, MRPL20, FNBP1L, SFMBT1, EPHB2, EPHB1, FABP4, KDR, SPTAN1, ZAP70, EPHA2, LCK, INSR, FYN, CTNNB1,

Protein Size: 158

17 kDa

Gene ID:

52

NCBI Accession:

NM\_004300, NP\_004291

UniProt:

P24666

#### **Application Details**

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 158 AA
Restrictions:	For Research Use only

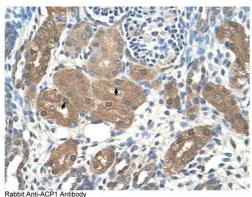
#### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

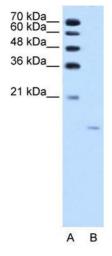
#### Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Images**



Rabbit Anti-ACP1 Antibody
Catalog Number: ARP42178
Lot Number: OC12751
Paraffin Embeded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 μg/ml
Magnification: 400X



#### **Immunohistochemistry**

**Image 1.** 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

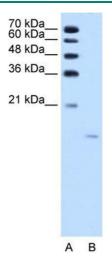
#### **Western Blotting**

Image 2. WB Suggested Anti-ACP1

Antibody Titration: 1.25 µg/mL

Positive Control: Jurkat cell lysate

ACP1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



#### **Western Blotting**

**Image 3.** 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