

Datasheet for ABIN2775360
anti-ACP1 antibody (Middle Region)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	ACP1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Pig, Goat, Guinea Pig, Dog
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 middle region of human ACP1
Sequence:	NISENWVIDS GAVSDWNVGR SPDPRVSL RNHGIHTAHK ARQITKEDFA
Predicted Reactivity:	Cow: 86%, Dog: 86%, Goat: 86%, Guinea Pig: 86%, Human: 100%, Mouse: 93%, Pig: 93%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against ACP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ACP1
Alternative Name:	ACP1 (ACP1 Products)

Target Details

Background:	<p>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.</p> <p>Alias Symbols: HAAP, MGC111030, MGC3499</p> <p>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,</p> <p>Protein Size: 158</p>
Molecular Weight:	18 kDa
Gene ID:	52
NCBI Accession:	NM_007099 , NP_009030
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.
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



Western Blotting

Image 1. WB Suggested Anti-ACP1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: COLO205 cell lysate ACP1 is strongly supported by BioGPS gene expression data to be expressed in Human COLO205 cells

Western Blotting

Image 2. WB Suggested Anti-ACP1 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500 Positive Control: COLO205 cell lysate ACP1 is strongly supported by BioGPS gene expression data to be expressed in Human COLO205 cells

Immunohistochemistry

Image 3. Rabbit Anti-ACP1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Extracellular Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

