

Rabbit ACP2 Polyclonal Antibody | anti-ACP2 antibody

Anti-ACP2 Antibody Picoband

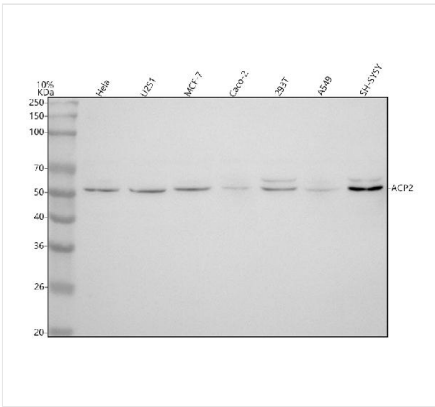
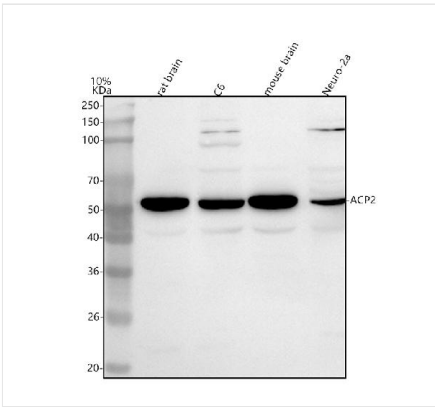
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127385	Rabbit	Human, Mouse, Rat	ELISA, Western Blot

PRODUCT SYNONYMS

ACP2; Polyclonal Antibody; Anti-ACP2 Antibody Picoband; anti-ACP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-ACP2 antibody	ELISA, WB (Western Blot)
Immunogen	E coli-derived human ACP2 recombinant protein (Position: R31-H88). Human ACP2 shares 98.3% and 96.6% amino acid (aa) sequence identity with mouse and rat ACP2, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



WB (Western Blot)
Figure 2. Western blot analysis of ACP2 using anti-ACP2 antibody (AAA127385). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat C6 whole cell lysates, Lane 3: mouse brain tissue lysates, Lane 4: mouse Neuro-2a whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ACP2 antigen affinity purified polyclonal antibody (#AAA127385) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ACP2 at approximately 52 kDa. The expected band size for ACP2 is at 48,18 kDa.

WB (Western Blot)
Figure 1. Western blot analysis of ACP2 using anti-ACP2 antibody (AAA127385). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human Caco-2 whole cell lysates, Lane 5: human 293T whole cell lysates, Lane 6: human A549 whole cell lysates, Lane 7: human SH-SY5Y whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ACP2 antigen affinity purified polyclonal antibody (#AAA127385) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ACP2 at approximately 52 kDa. The expected band size for ACP2 is at 48,18 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ACP2 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-ACP2 antibody	Primary Antibodies
References	1. Beckman, G., Beckman, L., Tarnvik, A. A rare subunit variant shared by five acid phosphatase isozymes from human leukocytes and placenta. Hum. Hered. 20: 81-85, 1970. 2. Bruns, G. A. P., Gerald, P. S. Human acid phosphatase in somatic cell hybrids. Science 184: 480-482, 1974.3. Harris, H., Hopkinson, D. A., Robson, E. B. The incidence of rare alleles determining electrophoretic variants: data on 43 enzyme loci in man. Ann. Hum. Genet. 37: 237-253, 1974.

NCBI AND UNIPROT INFORMATION

NCBI GI #	699964207
NCBI GeneID	53
NCBI Accession #	NP_001289418.1
NCBI GenBank Nucleotide #	NM_001302489.1
UniProt Accession #	P11117; Q561W5; Q9BTU7; E9PCI1
Molecular Weight	18,417 Da
NCBI Official Full Name	lysosomal acid phosphatase isoform 3
NCBI Official Synonym Full Names	acid phosphatase 2, lysosomal

NCBI Official Symbol	ACP2
NCBI Official Synonym Symbols	LAP
NCBI Protein Information	lysosomal acid phosphatase
UniProt Protein Name	Lysosomal acid phosphatase
UniProt Gene Name	ACP2
UniProt Synonym Gene Names	LAP
UniProt Entry Name	PPAL_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://www.aaabiotech.com/polyclonal/acp2-antibody-western-blot-elisa/127385>