

Rabbit ACP2 Polyclonal Antibody | anti-ACP2 antibody

ACP2 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199522	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot, Immunohistochemistry

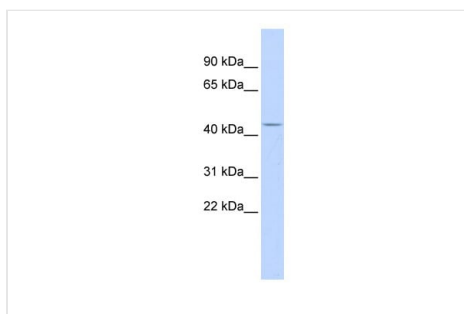
PRODUCT SYNONYMS

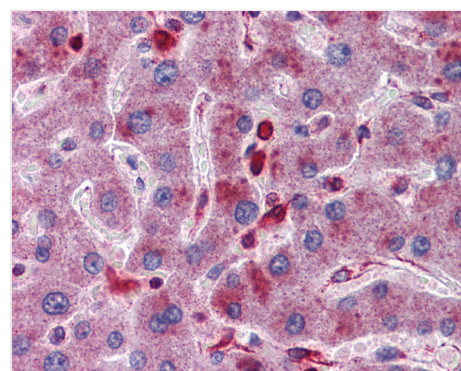
ACP2; Polyclonal Antibody; ACP2 antibody - middle region; anti-ACP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity 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: VP ITEDRLKFP LGPCPRYEQL QNETRQTPEY QNESSRNAQF LDMVANET
Sequence Length	423
Applicable Applications for anti-ACP2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 86%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ACP2
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-ACP2 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human brain

IHC (Immunohistochemistry)

Liver

ADDITIONAL INFORMATION

Related Product Information for anti-ACP2 antibody	This is a rabbit polyclonal antibody against ACP2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: ACP2 is the beta subunit of lysosomal acid phosphatase (LAP). LAP is chemically and genetically distinct from red cell acid phosphatase. The protein belongs to a family of distinct isoenzymes which hydrolyze orthophosphoric monoesters to alcohol and phosphate. Mutations in this gene or in the related alpha subunit gene cause acid phosphatase deficiency. Multiple alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Lysosomal acid phosphatase is comprised of two subunits, alpha and beta, and is chemically and genetically distinct from red cell acid phosphatase. Lysosomal acid phosphatase 2 is a member of a family of distinct isoenzymes which hydrolyze orthophosphoric monoesters to alcohol and phosphate. Acid phosphatase deficiency is caused by mutations in the ACP2 (beta subunit) and ACP3 (alpha subunit) genes. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.
Product Categories/Family for anti-ACP2 antibody	Polyclonal; Transcription Factor; Signal Proteins; Chromatin & Nuclear Signaling; Disease Related; DNA/RNA/Protein Interactions; Immunohistochemistry; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557010
NCBI GeneID	53
NCBI Accession #	NP_001601
NCBI GenBank Nucleotide #	NM_001610
UniProt Accession #	P11117
Molecular Weight	45kDa
NCBI Official Full Name	lysosomal acid phosphatase isoform 1
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.