Datasheet for ABIN2782134

anti-ACP2 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	ACP2
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACP2 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 ACP2
Sequence:	VPITEDRLLK FPLGPCPRYE QLQNETRQTP EYQNESSRNA QFLDMVANET
Predicted Reactivity:	Cow: 86%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ACP2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ACP2

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Target Details

Alternative Name:	ACP2 (ACP2 Products)
Background:	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. Alias Symbols: - Protein Interaction Partner: FBXO6, NIF3L1, DNAJB11, UQCRFS1, M6PR, UBC, Protein Size: 423
Molecular Weight:	45 kDa
Gene ID:	53
NCBI Accession:	NM_001610, NP_001601
UniProt:	P11117

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 423 AA
Restrictions:	For Research Use only

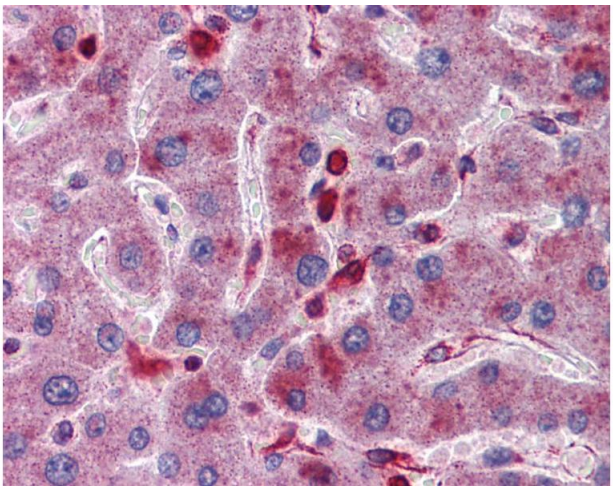
Handling

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

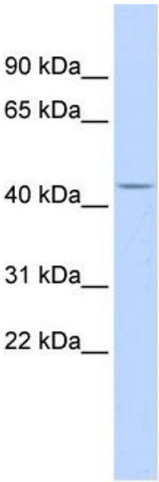
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For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

Images



Immunohistochemistry

Image 1.



Western Blotting

Image 2. WB Suggested Anti-ACP2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain

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