

Datasheet for ABIN2777596
anti-ACAT2 antibody (Middle Region)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	ACAT2
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Dog, Cow, Guinea Pig, Horse, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACAT2 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 ACAT2
Sequence:	VLSQNRTEA QKAGHFDKEI VPVLVSTRKG LIEVKTDEFP RHGSNIEAMS
Predicted Reactivity:	Cow: 79%, Dog: 86%, Guinea Pig: 79%, Horse: 86%, Human: 100%, Mouse: 79%, Rat: 79%, Yeast: 82%
Characteristics:	This is a rabbit polyclonal antibody against ACAT2. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	ACAT2
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Target Details

Alternative Name:	ACAT2 (ACAT2 Products)
Background:	<p>Acetyl-Coenzyme A acetyltransferase 2 is an enzyme involved in lipid metabolism. Reported patients with ACAT2 deficiency have shown severe mental retardation and hypotonus. The ACAT2 gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation.</p> <p>Protein Interaction Partner: LNX1, ACAT2, UBC, SUMO2, OLA1, TUBB3, PAPSS1, UBA3, PKM, HMGB3, HEXA, FH, ALDH9A1, AHCY, BAG3, TTC39C, PSAT1, SSU72, DAK, VASP, TERF1, CDX2, CSNK2A1,</p> <p>Protein Size: 397</p>
Molecular Weight:	44 kDa
Gene ID:	39
NCBI Accession:	NM_005891 , NP_005882
UniProt:	Q16146

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 397 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

Handling

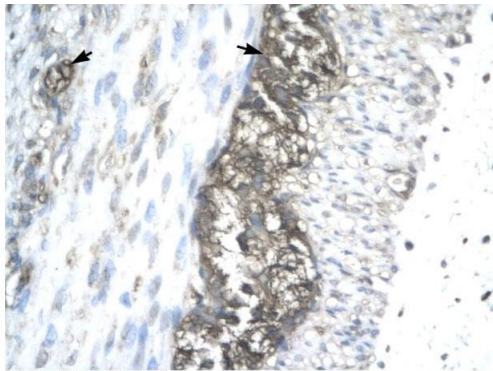
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-ACAT2 Antibody Titration: 2.0ug/ml Positive Control: K562 cell lysate ACAT2 is supported by BioGPS gene expression data to be expressed in K562



Immunohistochemistry

Image 2. Human Stomach

Rabbit Anti-ACAT2 Antibody
Catalog Number: ARP32791
Lot Number: QC2223
Paraffin Embedded Tissue: Human Stomach
Cells with Positive label: Ganglionic cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X