

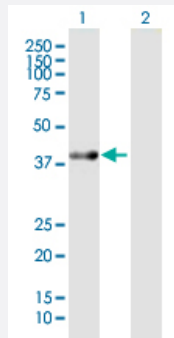
MaxPab®

ACAT2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000039-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACAT2 expression in transfected 293T cell line ([H00000039-T02](#)) by ACAT2 MaxPab polyclonal antibody.

Lane 1: ACAT2 transfected lysate(43.67 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ACAT2 protein.
Immunogen	ACAT2 (AAH00408.1, 1 a.a. ~ 397 a.a) full-length human protein.
Sequence	MNAGSDPVVIVSAARTIIGSFNGALAAVPVQDLGSTVIKEVLKRATVAPEDVSEVIFGHVLAAGCG QNPVRQASVGAGIPYSVPAWSCQMICGSLKAVCLAVQSIGDSSIVAGGMENMSKAPHLAYL RTGVKIGEMPLTDSILCDGLTDAFHNCHMGITAENVAKKWQVSREDQDKVAVLSQNRTEAQA GHFDKEIPVLVSTRRLIEVKTDEFPRHGSNIEAMSKLPYFLTDGTGTVTPANASGINDGAAAV VLMKKSEADKRLTPLARIVSWQVGVPEPSIMGIGPIPAIKQAVTKAGWSLEDVDIFEINEAFAAVS AAVKELGLNPEKVNIEGGAIALGHPLGASGCRILVTLHTLERMGRSRGVAALCIGGGMGIAMCVQ RE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (84)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — ACAT2

Entrez GeneID [39](#)

GeneBank Accession# [BC000408.2](#)

Protein Accession# [AAH00408.1](#)

Gene Name ACAT2

Gene Alias -

Gene Description acetyl-Coenzyme A acetyltransferase 2

Omim ID [100678](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product of this gene is an enzyme involved in lipid metabolism, and it encodes cytosolic acet oacetyl-CoA thiolase. This 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, a s well as in opposite transcriptional orientation. [provided by RefSeq]

Other Designations OTTHUMP00000017527|acetoacetyl Coenzyme A thiolase|cytosolic acetoacetyl-CoA thiolase

Pathway

- [Benzoate degradation via CoA ligation](#)
- [Butanoate metabolism](#)

- [Fatty acid metabolism](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)
- [Propanoate metabolism](#)
- [Pyruvate metabolism](#)
- [Synthesis and degradation of ketone bodies](#)
- [Terpenoid backbone biosynthesis](#)
- [Tryptophan metabolism](#)
- [Valine](#)

Disease

- [Alzheimer Disease](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)

- [Kidney Diseases](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Werner syndrome](#)