

## Product datasheet for **TA331169**

### ACAT2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ACAT2 antibody: synthetic peptide directed towards the middle region of human ACAT2. Synthetic peptide located within the following region: SREDQDKVAVLSQNRTEAQAQKAGHFDKEIVPVLVSTRKGLIEVKTDEFPR
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	acetyl-CoA acetyltransferase 2
Database Link:	<a href="#">NP_005882</a> <a href="#">Entrez Gene 39 Human</a> <a href="#">Q9BWD1</a>
Background:	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.
Synonyms:	acetoacetyl Coenzyme A thiolase; acetyl-Coenzyme A acetyltransferase 2; cytosolic acetoacetyl-CoA thiolase; OTTHUMP00000017527



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**Note:** Pig: 100%; Rat: 100%; Human: 100%; Bovine: 100%; Guinea pig: 100%; Dog: 92%; Horse: 92%; Mouse: 92%; Rabbit: 92%

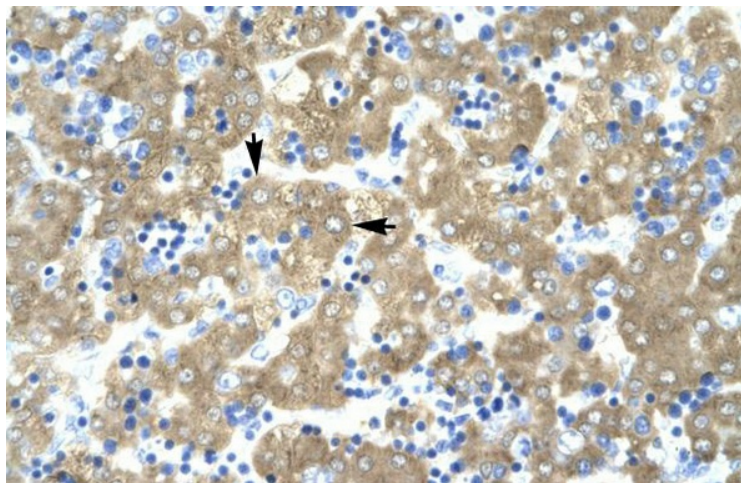
**Protein Families:** Druggable Genome

**Protein Pathways:** 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, leucine and isoleucine degradation

**Product images:**



WB Suggested Anti-ACAT2 Antibody Titration: 1.0ug/ml; Positive Control: K562 cell lysate SLC4A1 is supported by BioGPS gene expression data to be expressed in K562



Human Liver