

**AACS Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21166a****Specification**

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**AACS Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q86V21</a>
Reactivity	Human, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	75144

**AACS Antibody (C-term) - Additional Information****Gene ID** 65985**Other Names**

Acetoacetyl-CoA synthetase, Acyl-CoA synthetase family member 1, Protein sur-5 homolog, AACS, ACSF1

**Target/Specificity**

This AACS antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 539-573 amino acids from the C-terminal region of human AACS.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AACS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AACS Antibody (C-term) - Protein Information****Name** AACS**Synonyms** ACSF1

**Function** Converts acetoacetate to acetoacetyl-CoA in the cytosol (By similarity). Ketone body-utilizing enzyme, responsible for the synthesis of cholesterol and fatty acids (By similarity).

**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9JMI1}

**Tissue Location**

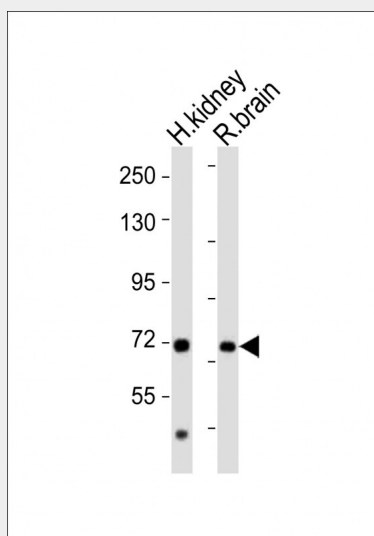
Highly expressed in kidney, heart and brain, but low in liver.

**AACS Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**AACS Antibody (C-term) - Images**



All lanes : Anti-AACS Antibody (C-term) at 1:2000 dilution Lane 1: human kidney lysates Lane 2: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 75 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

**AACS Antibody (C-term) - Background**

Activates acetoacetate to acetoacetyl-CoA. May be involved in utilizing ketone body for the fatty acid-synthesis during adipose tissue development (By similarity).

**AACS Antibody (C-term) - References**

Ohgami M.,et al.Biochem. Pharmacol. 65:989-994(2003).

Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Gu T.,et al.Mol. Cell. Biol. 18:4556-4564(1998).  
Bechtel S.,et al.BMC Genomics 8:399-399(2007).