10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AACS Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21166a

Product Information

Application	WB, E
Primary Accession	Q86V21
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB51965
Calculated MW	75144

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.

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.

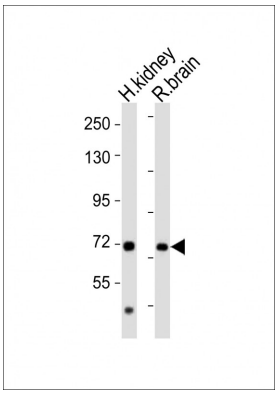
Background

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

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).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.