

AACS Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21166a

Product Information

Application	WB, E
Primary Accession	Q86V21
Reactivity	Human, Rat, Mouse
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).

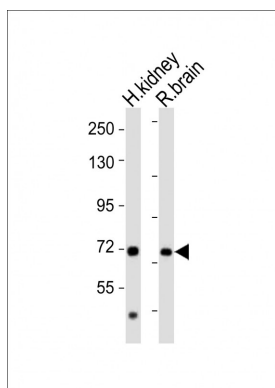
Ota T.,et al.Nat. Genet. 36:40-45(2004).

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'.