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Aacs antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14574

Product Information

Application	WB
Primary Accession	Q9JMI1
Other Accession	NM_023104, EDM13551
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75040

Additional Information

Gene ID	65984
Other Names	Acetoacetyl-CoA synthetase, 6.2.1.16, Aacs
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Aacs antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Aacs antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

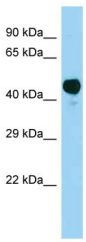
Name	Aacs
Function	Converts acetoacetate to acetoacetyl-CoA in the cytosol. Ketone body-utilizing enzyme, responsible for the synthesis of cholesterol and fatty acids.
Cellular Location	Cytoplasm, cytosol
Tissue Location	Abundant in male subcutaneous white adipose tissue after weaning. In white adipose tissue, it is preferentially detected in mature adipocytes but not in preadipocytes. The expression in primary preadipocytes increases during the adipocyte differentiation In brain, it is expressed in the midbrain, pons/medulla, cerebral cortex, hippocampus and cerebellum. The expression in the cerebellum is restricted primarily to glial cells, while in the cerebral

cortex, it is restricted to neuronal cells.

References

Iwahori A.,et al.FEBS Lett. 466:239-243(2000).
Ohnuki M.,et al.Biochim. Biophys. Acta 1729:147-153(2005).
Yamasaki M.,et al.Biochem. Biophys. Res. Commun. 335:215-219(2005).

Images



WB Suggested Anti-Aacs Antibody Titration: 1.0 µg/ml
Positive Control: Rat Muscle