

SCHAD / HADHSC Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS16286**Specification**

SCHAD / HADHSC Antibody (Internal) - Product Information

Application	WB, IHC
Primary Accession	Q16836
Reactivity	Human, Monkey, Pig, Horse, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	34kDa KDa

SCHAD / HADHSC Antibody (Internal) - Additional Information**Gene ID** 3033**Other Names**

Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial, HCDH, 1.1.1.35, Medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase, Short-chain 3-hydroxyacyl-CoA dehydrogenase, HADH, HAD, HADHSC, SCHAD

Target/Specificity

Human HADH / HADHSC.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

SCHAD / HADHSC Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SCHAD / HADHSC Antibody (Internal) - Protein Information**Name** HADH**Function**

Mitochondrial fatty acid beta-oxidation enzyme that catalyzes the third step of the beta-oxidation cycle for medium and short-chain 3-hydroxy fatty acyl-CoAs (C4 to C10) (PubMed: [10231530](http://www.uniprot.org/citations/10231530), PubMed: [11489939](http://www.uniprot.org/citations/11489939), PubMed: [16725361](http://www.uniprot.org/citations/16725361)). Plays a role in the control of insulin secretion by inhibiting the activation of glutamate dehydrogenase 1 (GLUD1), an enzyme that has an important role in regulating amino acid-induced insulin secretion (By similarity). Plays a role in the maintenance of normal spermatogenesis through the reduction of fatty acid accumulation in the testes (By similarity).

Cellular Location

Mitochondrion matrix

Tissue Location

Expressed in liver, kidney, pancreas, heart and skeletal muscle.

SCHAD / HADHSC Antibody (Internal) - Protocols

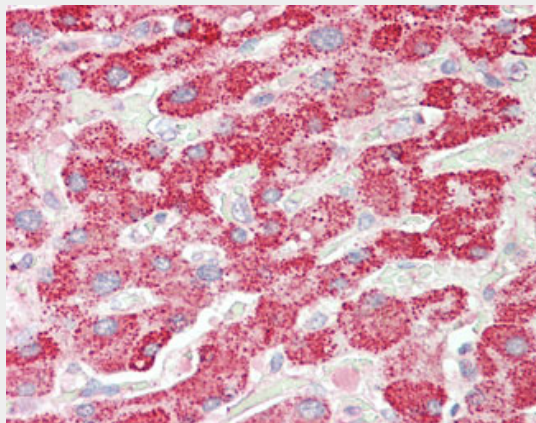
Provided below are standard protocols that you may find useful for product applications.

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

SCHAD / HADHSC Antibody (Internal) - Images



SCHAD / HADHSC Antibody (0.02 ug/ml) staining of Human Kidney lysate (35 ug protein in RIPA buffer).



Anti-SCHAD / HADHSC antibody IHC staining of human liver.

SCHAD / HADHSC Antibody (Internal) - Background

Plays an essential role in the mitochondrial beta- oxidation of short chain fatty acids. Exerts it

highest activity toward 3-hydroxybutyryl-CoA.

SCHAD / HADHSC Antibody (Internal) - References

Vredendaal P.J.C.M., et al. *Biochem. Biophys. Res. Commun.* 223:718-723(1996).
Shi Y., et al. Submitted (NOV-1996) to the EMBL/GenBank/DDBJ databases.
O'Brien L.K., et al. Submitted (SEP-1998) to the EMBL/GenBank/DDBJ databases.
Hillier L.W., et al. *Nature* 434:724-731(2005).
Choudhary C., et al. *Science* 325:834-840(2009).