

Datasheet for ABIN7601716
anti-HADH antibody (AA 43-301)



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Overview

Quantity:	100 µg
Target:	HADH
Binding Specificity:	AA 43-301
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HADH antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-HADH Antibody Picoband®
Immunogen:	E.coli-derived human HADH recombinant protein (Position: A43-K301). Human HADH shares 90.3% and 90.7% amino acid (aa) sequence identity with mouse and rat HADH, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-HADH Antibody Picoband® (ABIN7601716). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: HADH

Alternative Name: HADH ([HADH Products](#))

Background: Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody

Tissue Specificity: Expressed in all tissues.

Background: Hydroxyacyl-Coenzyme A dehydrogenase (HADH) is an enzyme which in humans is encoded by the HADH gene. This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene of this gene on chromosome 15.

Molecular Weight: 34 kDa

Gene ID: 3033

UniProt: [Q16836](#)

Pathways: [Negative Regulation of Hormone Secretion](#), [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat
Immunohistochemistry, 2-5 µg/mL, Human, Rat
Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Application Details

Immunofluorescence, 5 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human

ELISA, 0.1-0.5 µg/mL, -

1. Bennett, M. J., Weinberger, M. J., Kober, J. A., Rinaldo, P., Burlina, A. B. Mitochondrial short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase deficiency: a new defect of fatty acid oxidation. *Pediat. Res.* 39: 185-188, 1996. 2. Bitar, K. G., Perez-Aranda, A., Bradshaw, R. A. Amino acid sequence of L-3-hydroxyacyl CoA dehydrogenase from pig heart muscle. *FEBS Lett.* 116: 196-198, 1980. 3. Clayton, P. T., Eaton, S., Aynsley-Green, A., Edginton, M., Hussain, K., Krywawych, S., Datta, V., Malingre, H. E. M., Berger, R., van den Berg, I. E. T. Hyperinsulinism in short-chain L-3-hydroxyacyl-CoA dehydrogenase deficiency reveals the importance of beta-oxidation in insulin secretion. *J. Clin. Invest.* 108: 457-465, 2001.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄.

Storage: 4 °C, -20 °C

Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.