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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

HADHSC monoclonal antibody (M01), clone 4B5

Catalog Number: H00003033-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant HADHSC.

Clone Name: 4B5

Immunogen: HADHSC (NP_005318, 205 a.a. ~ 314 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

GKHPVSKDTPGFIVNRLLPYLMEAIRLYERGDASKE
DIDTAMKLGAGYPMGPFELLDYVGLDTTKFIVDGWHE
MDAENPLHQPSPLNKLVAENKFGKKTGEGFYKYK

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, IP, S-ELISA, WB-Ce, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2b Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3033

Gene Symbol: HADH

Gene Alias: HAD, HADH1, HADHSC, HHF4, M/SCHAD, MGC8392, SCHAD

Gene Summary: 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. [provided by RefSeq]

References:

1. Independent effects of endurance training and weight loss on peak fat oxidation in moderately overweight men: a randomized controlled trial. Nordby P, Rosenkilde M, Ploug T, Westh K, Feigh M, Nielsen NB, Helge JW, Stallknecht B. *J Appl Physiol* (1985). 2015 Apr 1;118(7):803-10.
2. Changes in peak fat oxidation in response to different doses of endurance training. Rosenkilde M, Reichkender MH, Auerbach P, Bonne TC, Sjodin A, Ploug T, Stallknecht BM *Scand J Med Sci Sports*. 2013 Dec 18. doi: 10.1111/sms.12151.
3. BCAT1 promotes cell proliferation through amino acid catabolism in gliomas carrying wild-type IDH1. Tonjes M, Barbus S, Park YJ, Wang W, Schlotter M, Lindroth AM, Pleier SV, Bai AH, Karra D, Piro RM, Felsberg J, Addington A, Lemke D, Weibrecht I, Hovestadt V, Rolli CG, Campos B, Turcan S, Sturm D, Witt H, Chan TA, Herold-Mende C, Kemkemer R, Konig R, Schmidt K, Hull WE, Pfister SM, Jugold M, Hutson SM, Plass C, Okun JG, Reifenberger G, Lichter P, Radlwimmer B *Nat Med*. 2013 Jul;19(7):901-8. doi: 10.1038/nm.3217. Epub 2013 Jun 23.