

bs-5065R**[Primary Antibody]****HADHB Rabbit pAb****Bioss**
ANTIBODIES

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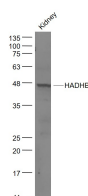
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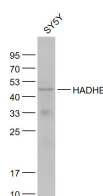
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 3032 Target: HADHB Immunogen: KLH conjugated synthetic peptide derived from human HADHB: 231-330/474. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The HADHB gene encodes the beta subunit of the mitochondrial trifunctional protein, which catalyzes the last three steps of mitochondrial beta-oxidation of long chain fatty acids. The mitochondrial membrane-bound heterocomplex is composed of four alpha and four beta subunits, with the beta subunit catalyzing the 3-ketoacyl-CoA thiolase activity. Mutations in this gene result in trifunctional protein deficiency. The encoded protein can also bind RNA and decreases the stability of some mRNAs. The genes of the alpha and beta subunits of the mitochondrial trifunctional protein are located adjacent to each other in the human genome in a head-to-head orientation. Alternatively spliced transcript variants have been found; however, their full-length nature is not known.	Isotype: IgG SWISS: P55084 Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Dog) Predicted MW.: 47 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Kidney (Mouse) Lysate at 40 ug Primary: Anti- HADHB (bs-5065R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47kD
Observed band size: 47 kD



SY5Y(Human) Cell Lysate at 30 ug Primary: Anti- HADHB (bs-5065R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kD Observed band size: 47 kD

— SELECTED CITATIONS —

- **[IF=5.6]** Wenxia Li. et al. Transcriptome Analysis Revealed Potential Genes of Skeletal Muscle Thermogenesis in Mashen Pigs and Large White Pigs under Cold Stress. INT J MOL SCI. 2023 Jan;24(21):15534 WB ;Pig. 37958518