SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-HIBADH antibody

Catalog Number: SL15483R

FOR RESEARCH USE ONLY

[DATASHEET]

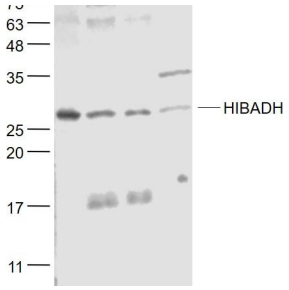
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	HIBADH
Immunogen:	KLH conjugated synthetic peptide derived from human HIBADH: 251-336/336
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Cow,Horse,Sheep)
Predicted MW.:	32kDa
Subcellular Location:	cytoplasmic Mitochondrion
Background:	HIBADH is a 336 amino acid mitochondrial enzyme that catalyzes the NAD+-dependent, reversible oxidization of 3-Hydroxyisobutyrate to methylmalonate semialdehyde, an intermediate of valine catabolism. The enzyme functions as a homodimer between a pH of 7.0 and 1, with optimal activity between 8.8 and 9.0. It was previously hypothesized that defects in the gene encoding HIBADH may be the cause of 3-Hydroxyisobutyric aciduria, a rare disorder that is characterized by a variety of clinical manifestations such as neurodevelopmental problems and dysmorphic features. However, it was shown that HIBADH activity was equal in patients with 3-Hydroxyisobutyric aciduria as compared with controls. **Subcellular Location:** Mitochondrion. **Tissue Specificity:** Detected in skin fibroblasts. **Similarity:** Belongs to the 3-hydroxyisobutyrate dehydrogenase family. **Database links:**

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Entrez Gene: 11112 Human **Entrez Gene:** 58875 Mouse **Entrez Gene:** 63938 Rat Omim: 608475 Human **SwissProt:** P31937 Human **SwissProt:** Q99L13 Mouse **SwissProt:** P29266 Rat **Unigene:** 406758 Human **Unigene:** 286458 Mouse **Unigene:** 73 Rat

[VALIDATION IMAGES]



Sample:
193T(Human) Cell Lysate at 30 ug
MCF-7(Human) Cell Lysate at 30 ug
HepG2(Human) Cell Lysate at 30 ug
Kidney (Mouse) Lysate at 40 ug
Primary: Anti- HIBADH (SL15483R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 32 kD
Observed band size: 30 kD

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