

HIBADH Rabbit mAb

Catalog No.: A24127 **Recombinant**

Basic Information

Observed MW

35kDa

Calculated MW

35kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC65598

Background

This gene encodes a mitochondrial 3-hydroxyisobutyrate dehydrogenase enzyme. The encoded protein plays a critical role in the catabolism of L-valine by catalyzing the oxidation of 3-hydroxyisobutyrate to methylmalonate semialdehyde.

Recommended Dilutions

WB	1:1000 - 1:5000
IHC-P	1:100 - 1:500
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

11112

Swiss Prot

P31937

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 37-336 of human HIBADH (NP_689953.1).

Synonyms

NS5ATP1; HIBADH

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

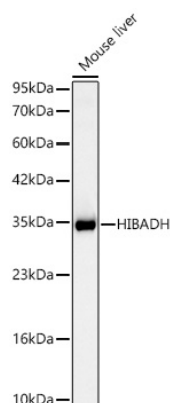
Affinity purification

Storage

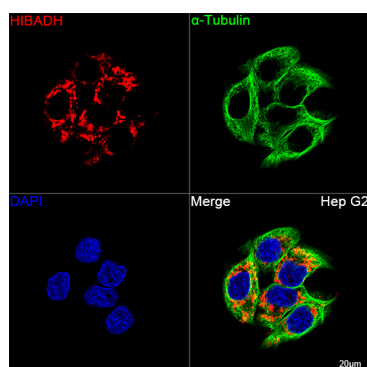
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

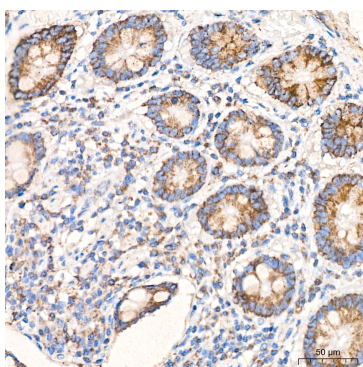
Validation Data



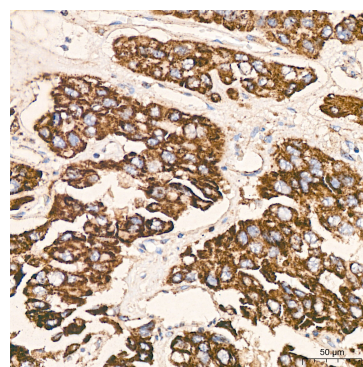
Western blot analysis of lysates from Mouse liver using HIBADH Rabbit mAb(A24127) at 1:3000 dilution.
Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection:ECL Basic Kit (RM00020).
Exposure time:10s.



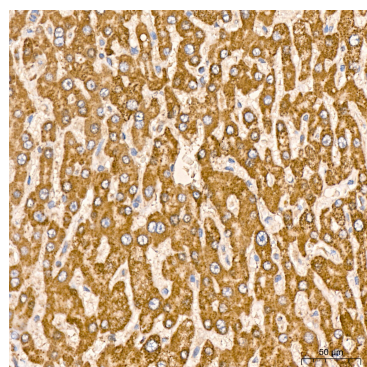
Confocal imaging of Hep G2 cells using HIBADH Rabbit mAb (A24127, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with Abflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



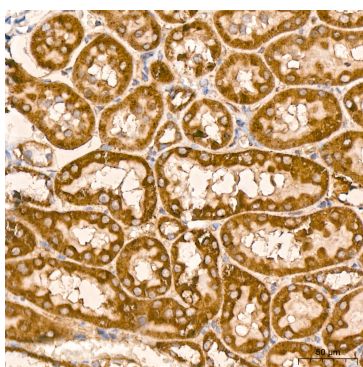
Immunohistochemistry analysis of HIBADH in paraffin-embedded human colon tissue using HIBADH Rabbit mAb (A24127) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of HIBADH in paraffin-embedded human liver cancer tissue using HIBADH Rabbit mAb (A24127) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of HIBADH in paraffin-embedded human liver tissue using HIBADH Rabbit mAb (A24127) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of HIBADH in paraffin-embedded rat kidney tissue using HIBADH Rabbit mAb (A24127) at a dilution of 1:300 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.