

# BCKDHB Rabbit mAb

Catalog No.: A24618 **Recombinant**

## Basic Information

### Observed MW

37kDa

### Calculated MW

43kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC62319

## Background

This gene encodes the E1 beta subunit of branched-chain keto acid dehydrogenase, which is a multienzyme complex associated with the inner membrane of mitochondria. This enzyme complex functions in the catabolism of branched-chain amino acids. Mutations in this gene have been associated with maple syrup urine disease (MSUD), type 1B, a disease characterized by a maple syrup odor to the urine in addition to mental and physical retardation and feeding problems. Alternative splicing at this locus results in multiple transcript variants.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:5000
<b>IHC-P</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

594

### Swiss Prot

P21953

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 51-392 of human BCKDHB (NP\_898871.1).

### Synonyms

E1B; BCKDE1B; BCKDH E1-beta; BCKDHB

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

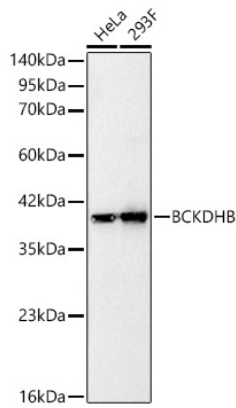
Affinity purification

### Storage

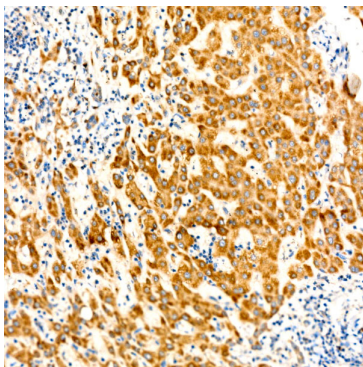
Store at -20°C. Avoid freeze / thaw cycles.

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

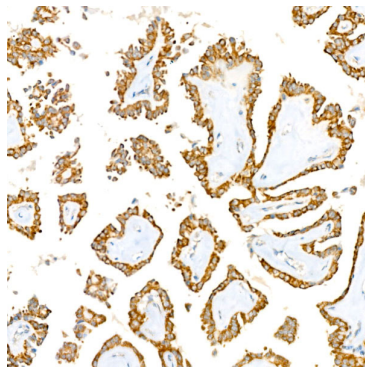
## Validation Data



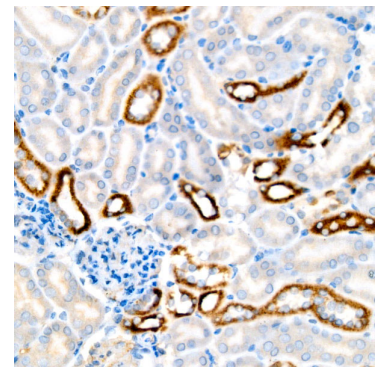
Western blot analysis of various lysates, using BCKDHB Rabbit mAb (A24618) at 1:2000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 0.5s.



Immunohistochemistry analysis of BCKDHB in paraffin-embedded human liver using BCKDHB Rabbit mAb (A24618) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of BCKDHB in paraffin-embedded human thyroid cancer using BCKDHB Rabbit mAb (A24618) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of BCKDHB in paraffin-embedded mouse kidney using BCKDHB Rabbit mAb (A24618) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.