# BCKDHA Rabbit Polyclonal Antibody

**CAB9806**

## Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

50kDa

**Calculated MW:**

50kDa

**Applications:**

WB IF

**Reactivity:**

Human, Mouse, Rat

## Antibody Information

**Recommended dilutions:**
WB 1:500 - 1:2000 IF 1:50 - 1:200

**Source:**
Rabbit

**Isotype:**
IgG

**Purification:**
Affinity purification

## Protein Background

The branched-chain alpha-keto acid (BCAA) dehydrogenase (BCKD) complex is an innter mitochondrial enzyme complex that catalyzes the second major step in the catabolism of the branched-chain amino acids leucine, isoleucine, and valine. The BCKD complex consists of three catalytic components: a heterotetrameric (alpha2-beta2) branched-chain alpha-keto acid decarboxylase (E1), a dihydrolipoyl transacylase (E2), and a dihydrolipoamide dehydrogenase (E3). This gene encodes the alpha subunit of the decarboxylase (E1) component. Mutations in this gene result in maple syrup urine disease, type IA. Multiple transcript variants encoding different isoforms have been found for this gene.

## Immunogen information

**Gene ID:**
593

**Uniprot**
P12694

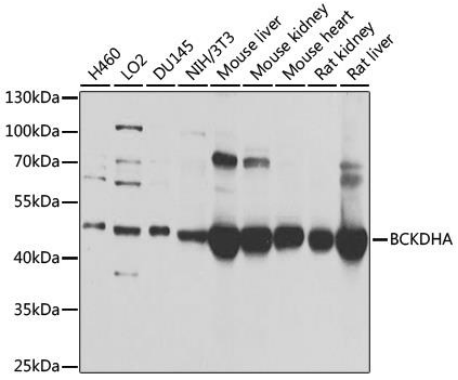
**Synonyms:**
BCKDHA; BCKDE1A; MSU; MSUD1; OVD1A

**Immunogen:**
Recombinant fusion protein containing a sequence corresponding to amino acids 276-445 of human BCKDHA (NP_000700.1).

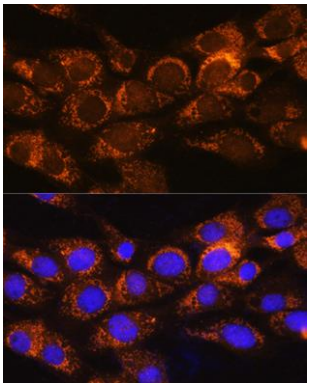
**Storage:**
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Product Images**




Western blot analysis of extracts of various cell lines, using BCKDHA antibody (CAB9806) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunofluorescence analysis of NIH/3T3 cells using BCKDHA Rabbit pAb (CAB9806) at dilution of 1:100. Blue: DAPI for nuclear staining.