

## BCAT2 Recombinant antibody

**Cat:**B36431S**Company:** HaoKebio**Uniprot ID:**O15382**Applications:** IHC:1:400-1:1600**Organism:**Rabbit

IHC-Polymer:1:1600-1:6400

**Species reactivity:**Human Mouse Rat

IHC-TSA:1:2000-1:8000

**Molecular Weight Calculation:** 44 kDa

IF:1:50-1:100

**Observed Molecular Weight:** 38 kDa

WB:1:5000-1:50000

**Background:**

Branched-chain amino acid transaminase 2 (BCAT2) is an important enzyme in branched-chain amino acids (BCAAs) catabolism that reversibly catalyzes the initial step of BCAA degradation to branched-chain acyl-CoA. In humans, BCAT2 encodes a mitochondrial protein that is ubiquitously expressed in all organs (except hepatocytes). Moreover, other reports showed that overexpressed BCAT2 in pancreatic ductal adenocarcinoma (PDAC) cells enhanced cell proliferation and survival in vitro and in vivo.

**Synonyms:**

Branched-chain-amino-acid aminotransferase, mitochondrial, EC:2.6.1.42, ECA40, Placental protein 18, PP18

**Immunogen:**

Recombinant protein

**Isotype:**

IgG

**Subcellular location:**

Cytoplasm

**Purity:**

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

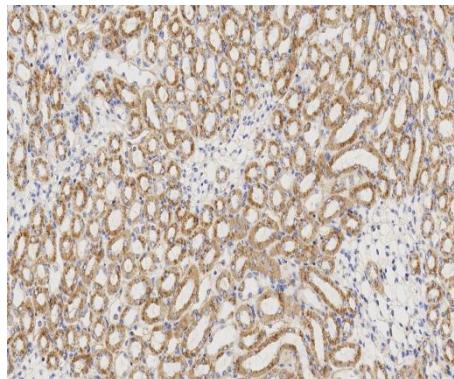
PBS with 0.02% sodium azide,100 µg/ml BSA and 50% glycerol.

**Storage:**

Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**

Sample: Mouse kidney, 4% PFA 12-24h

**Source of Reagents:**

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发表[英文论文]请标注:BCAT2(B36431S) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.