

## Anti-BCAT2 antibody

<b>Cat. No.</b>	ml221977
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-BCAT2 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Fusion protein of human BCAT2
<b>Reactivity</b>	Human, Mouse, Rat
<b>Content</b>	0.543 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	BCAT2
<b>Full name</b>	branched chain amino-acid transaminase 2, mitochondrial

**Synonyms** BCAM; BCT2; PP18; BCATM

**Swissprot** O15382

#### **Target Background**

This gene encodes a branched chain aminotransferase found in mitochondria. The encoded protein forms a dimer that catalyzes the first step in the production of the branched chain amino acids leucine, isoleucine, and valine. Multiple transcript variants encoding different isoforms have been found for this gene.

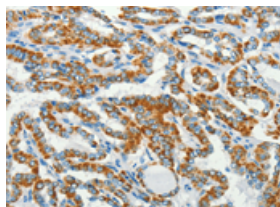
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 50-200

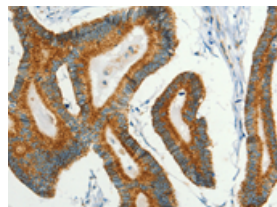


The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml221977(BCAT2 Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human colon cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml221977(BCAT2 Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: ×200)

### Western blotting

Predicted band size: 44 kDa

Positive control: Human placenta tissue and NIH/3T3 cells, Raji and hepG2 cells

Recommended dilution: 200-1000

Gel: 12%SDS-PAGE

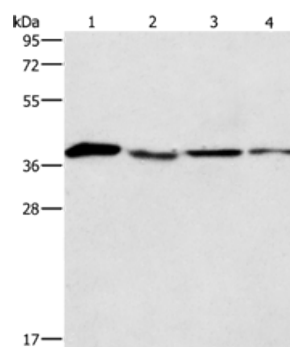
Lysate: 40 µg

Lane 1-4: Human placenta tissue, NIH/3T3 cells, Raji cells, hepG2 cells

Primary antibody: ml221977(BCAT2 Antibody) at dilution 1/250

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



## ELISA

Recommended dilution: 1000-5000

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