

**BCAT2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5405****Specification**

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**BCAT2 Antibody (N-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB,E                   |
| Primary Accession | <a href="#">O15382</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | H=44 KDa               |
| Isotype           | Rabbit IgG             |
| Antigen Source    | HUMAN                  |

**BCAT2 Antibody (N-term) - Additional Information****Gene ID** 587**Antigen Region**  
44-78**Other Names**

Branched-chain-amino-acid aminotransferase, mitochondrial, BCAT(m), Placental protein 18, PP18, BCAT2, BCATM, BCT2, ECA40

**Dilution**

WB~~1:1000

**Target/Specificity**

This BCAT2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 44-78 amino acids from the N-terminal region of human BCAT2.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

BCAT2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**BCAT2 Antibody (N-term) - Protein Information****Name** BCAT2

**Function**

Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine (PubMed:<a href="http://www.uniprot.org/citations/8702755" target="\_blank">8702755</a>, PubMed:<a href="http://www.uniprot.org/citations/25653144" target="\_blank">25653144</a>, PubMed:<a href="http://www.uniprot.org/citations/17050531" target="\_blank">17050531</a>). May also function as a transporter of branched chain alpha-keto acids (By similarity).

**Cellular Location**

Mitochondrion {ECO:0000250|UniProtKB:O35854}.

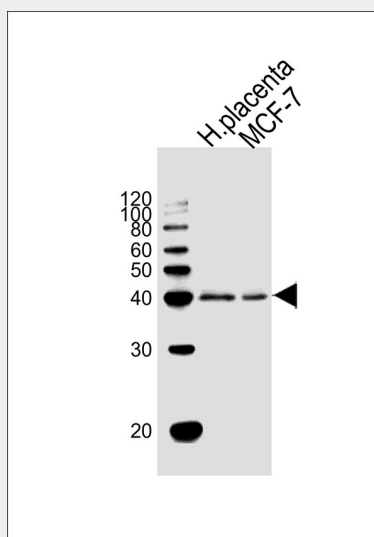
**Tissue Location**

Ubiquitous..

**BCAT2 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**BCAT2 Antibody (N-term) - Images**

All lanes : Anti-BCAT2 Antibody (N-term) at 1:1000 dilution Lane 1: human placenta lysates Lane 2: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 44 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

**BCAT2 Antibody (N-term) - Background**

Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine,

isoleucine, and valine. May also function as a transporter of branched chain alpha-keto acids.

#### **BCAT2 Antibody (N-term) - References**

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Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Eden A.,et al.J. Biol. Chem. 271:20242-20245(1996).