

# BCAT2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5405

## Product Information

---

Application	WB
Primary Accession	<a href="#">O15382</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44288
Isotype	Rabbit IgG
Antigen Source	HUMAN

## 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.

## 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="#">17050531</a> , PubMed: <a href="#">25653144</a> , PubMed: <a href="#">8702755</a> ). May also function as a transporter of

branched chain alpha-keto acids (By similarity).

<b>Cellular Location</b>	Mitochondrion {ECO:0000250   UniProtKB:O35854}.
<b>Tissue Location</b>	Ubiquitous..

## 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.

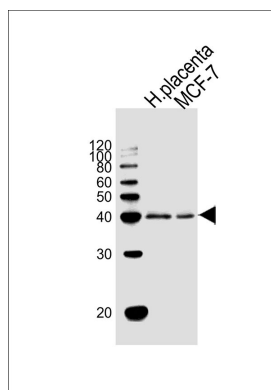
## References

---

Bledsoe R.K.,et al.Biochim. Biophys. Acta 1339:9-13(1997).  
Than N.G.,et al.Placenta 22:235-243(2001).  
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).

## 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.