

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

BCAT2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O15382
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:17050531, PubMed:25653144, PubMed:8702755). May also function as a transporter of branched chain alpha-keto acids (By similarity).

Cellular Location

Mitochondrion {ECO:0000250|UniProtKB:O35854}.

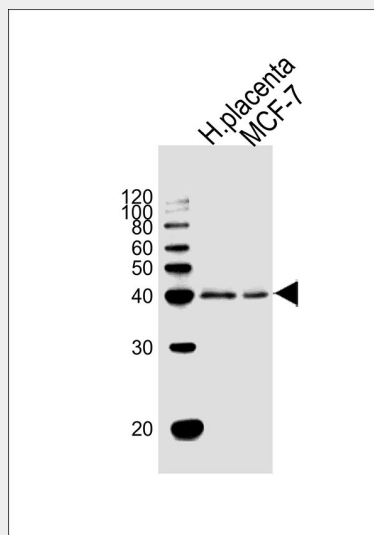
Tissue Location

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% NFDN/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

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).