

Rabbit anti-Human BCAT2 Polyclonal Antibody | anti-BCAT2 antibody

BCAT2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287718	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

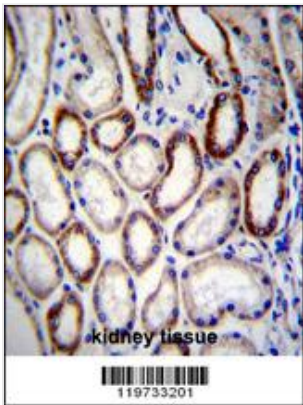
PRODUCT SYNONYMS

BCAT2; Polyclonal Antibody; BCAT2 Antibody (C-term); Branched-chain-amino-acid aminotransferase; mitochondrial; BCAT(m); Placental protein 18; PP18; BCATM; BCT2; ECA40; anti-BCAT2 antibody

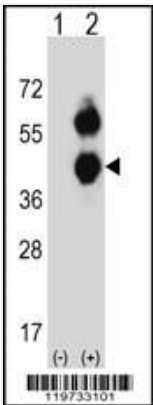
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BCAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 309-336 amino acids from the C-terminal region of human BCAT2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	309-336
Sequence Length	300
Applicable Applications for anti-BCAT2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
BCAT2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of BCAT2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of BCAT2 (arrow) using rabbit polyclonal BCAT2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the BCAT2 gene.

ADDITIONAL INFORMATION

Related Product Information for anti-BCAT2 antibody	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.
Product Categories/Family for anti-BCAT2 antibody	Metabolism; Signal Transduction
References	Coles, S.J., et al. Biochemistry 48(3):645-656(2009) Yennawar, N.H., et al. J. Biol. Chem. 281(51):39660-39671(2006) Goto, M., et al. J. Biol. Chem. 280(44):37246-37256(2005) Conway, M.E., et al. Biochemistry 43(23):7356-7364(2004) Yennawar, N., et al. Acta Crystallogr. D Biol. Crystallogr. 57 (PT 4), 506-515 (2001) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	258614015
NCBI GeneID	587
NCBI Accession #	NP_001158245.1; NP_001181.2
NCBI GenBank Nucleotide #	NM_001164773.1
UniProt Accession #	O15382; O00269; Q96KG1; Q9BTB6; Q9BUU6; B2RB87
Molecular Weight	44288
NCBI Official Full Name	branched-chain-amino-acid aminotransferase, mitochondrial isoform b
NCBI Official Synonym Full Names	branched chain amino-acid transaminase 2, mitochondrial
NCBI Official Symbol	BCAT2
NCBI Official Synonym Symbols	BCAM; BCT2; PP18; BCATM
NCBI Protein Information	branched-chain-amino-acid aminotransferase, mitochondrial
UniProt Protein Name	Branched-chain-amino-acid aminotransferase, mitochondrial
UniProt Gene Name	BCAT2

UniProt Synonym Gene Names	BCATM; BCT2; ECA40; BCAT(m); PP18
UniProt Entry Name	BCAT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bcat2-antibody-immunohistochemistry-western-blot-elisa/287718>