

Rabbit BCAT1 Polyclonal Antibody | anti-BCAT1 antibody

BCAT1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284576	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

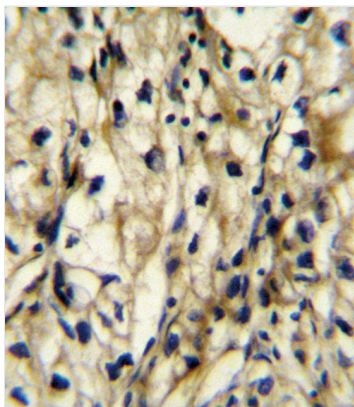
PRODUCT SYNONYMS

BCAT1; Polyclonal Antibody; BCAT1 Antibody (Center); Branched-chain-amino-acid aminotransferase; cytosolic; BCAT(c); Protein ECA39; BCT1; ECA39; anti-BCAT1 antibody

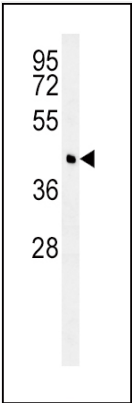
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BCAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 81-107 amino acids from the Central region of human BCAT1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	81-107
Sequence Length	349
Applicable Applications for anti-BCAT1 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)
BCAT1 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the BCAT1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
BCAT1 Antibody (Center) western blot analysis in Ramos cell line lysates (35ug/lane).This demonstrates the BCAT1 antibody detected the BCAT1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-BCAT1 antibody	This gene encodes the cytosolic form of the enzyme branched-chain amino acid transaminase. This enzyme catalyzes the reversible transamination of branched-chain alpha-keto acids to branched-chain L-amino acids essential for cell growth. Two different clinical disorders have been attributed to a defect of branched-chain amino acid transamination: hypervalinemia and hyperleucine-isoleucinemia. As there is also a gene encoding a mitochondrial form of this enzyme, mutations in either gene may contribute to these disorders. Alternatively spliced transcript variants have been described.
Product Categories/Family for anti-BCAT1 antibody	Metabolism; Signal Transduction
References	Eijgelsheim, M., et al. Hum. Mol. Genet. 19(19):3885-3894(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Barber, M.J., et al. PLoS ONE 5 (3), E9763 (2010) : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	296010900
NCBI GeneID	586
NCBI Accession #	NP_001171562.1; NP_001171563.1; NP_001171564.1; NP_001171565.1; NP_005495.2
NCBI GenBank Nucleotide #	NM_001178091.1
UniProt Accession #	P54687; Q68DQ7; Q96MY9; B3KY27; B7Z2M5; B7Z5L0; F5H5E4
Molecular Weight	42966
NCBI Official Full Name	branched-chain-amino-acid aminotransferase, cytosolic isoform 2
NCBI Official Synonym Full Names	branched chain amino-acid transaminase 1, cytosolic
NCBI Official Symbol	BCAT1
NCBI Official Synonym Symbols	BCT1; PP18; BCATC; ECA39; MECA39; PNAS121

NCBI Protein Information	branched-chain-amino-acid aminotransferase, cytosolic
UniProt Protein Name	Branched-chain-amino-acid aminotransferase, cytosolic
UniProt Gene Name	BCAT1
UniProt Synonym Gene Names	BCT1; ECA39; BCAT(c)
UniProt Entry Name	BCAT1_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://www.aaabiotech.com/polyclonal/bcat1-antibody-immunohistochemistry-western-blot-elisa/284576>