

Rabbit anti-Human BCAT1 Polyclonal Antibody | anti-BCAT1 antibody

Anti-BCAT1 antibody

CATALOG # AAA44954	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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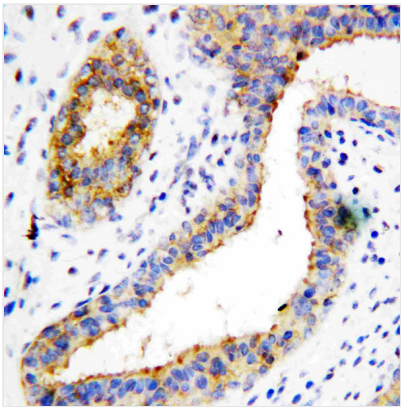
PRODUCT SYNONYMS

BCAT1; Polyclonal Antibody; Anti-BCAT1 antibody; Branched-chain-amino-acid aminotransferase; cytosolic(BCAT(c)); branched chain amino-acid transaminase 1; cytosolic; BCAT antibody; BCAT(c) antibody; Bcat1 antibody; BCAT1_HUMAN antibody; BCT1 antibody; Branched chain amino acid aminotransferase; cytosolic antibody; branched chain aminotransferase 1 antibody; branched chain aminotransferase 1; Branched-chain-amino-acid aminotransferase antibody; DKFZp686E12175 antibody; EC 2.6.1.42 antibody; ECA39 antibody; MECA39 antibody; placental protein 18 antibody; PNAS 121 antibody; PP18 antibody; Protein ECA39 antibody; anti-BCAT1 antibody

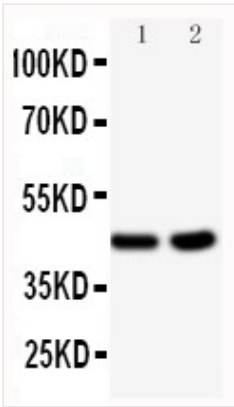
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	386
Applicable Applications for anti-BCAT1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human BCAT1 (360-375aa KLASRILSKLTDIQYGR), different from the related mouse sequence by one amino acid, rat sequence by three amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-BCAT1 antibody, AAA44954, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-BCAT1 antibody, AAA44954, Western blottingAll lanes: Anti BCAT1 (AAA44954) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 45KDObserved bind size: 45KD

ADDITIONAL INFORMATION

Related Product Information for anti-BCAT1 antibody

Description: Rabbit IgG polyclonal antibody for Branched-chain-amino-acid aminotransferase, cytosolic(BCAT1) detection. Tested with WB, IHC-P in Human.

Background: BCAT1, Branched-chain Aminotransferase1, is also know as BCT1. The BCAT1 gene is highly expressed early in embryogenesis, and during organogenesis its expression is localized to the neural tube, the somites, and the mesonephric tubules. The gene is also expressed in several MYC-based tumors. The BCAT1 gene is mapped to chromosome 12. Lack of the enzyme BCT can cause auxotroph, a kind of auxotrophic mutant in Chinese-hamster ovary cells that lacks the ability to grow if alpha-ketoisovaleric acid, alpha-ketoisocaproic acid, and alpha-keto-beta-methylvaleric acid are substituted for valine, leucine, and isoleucine in the culture medium.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215274162
NCBI GeneID	586
UniProt Accession #	P54687; Q68DQ7; Q96MY9; B3KY27; B7Z2M5; B7Z5L0; F5H5E4
Molecular Weight	44,131 Da
NCBI Official Full Name	Branched-chain-amino-acid aminotransferase, cytosolic
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; placental protein 18; branched chain aminotransferase 1, 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.