ARG57047
anti-BCAT1 antibody [3C8]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3C8] recognizes BCAT1
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	3C8
Isotype	IgG1, kappa
Target Name	BCAT1
Species	Human
Immunogen	Recombinant fragment around aa. 1-386 of Human BCAT1.
Conjugation	Un-conjugated
Alternate Names	EC 2.6.1.42; c; BCT1; ECA39; PP18; Branched-chain-amino-acid aminotransferase, cytosolic; PNAS121; MECA39; Protein ECA39; BCAT; BCATC

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:1500

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

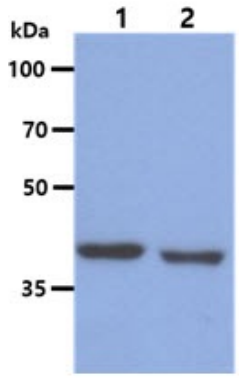
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 586 Human Swiss-port # P54687 Human
Gene Symbol	BCAT1
Gene Full Name	branched chain amino-acid transaminase 1, cytosolic
Background	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. [provided by RefSeq, May 2010]
Function	Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine. [UniProt]
Calculated Mw	43 kDa

Images



ARG57047 anti-BCAT1 antibody [3C8] WB image

Western blot: 40 µg of 1) Jurkat cell lysate, 2) HeLa cell lysate stained with ARG57047 anti-BCAT1 antibody [3C8] at 1:1000.