

## 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.

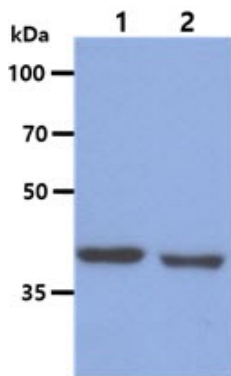
## Bioinformation

---

Database links	<a href="#">GeneID: 586 Human</a> <a href="#">Swiss-port # P54687 Human</a>
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.