

## ARG45498 anti-BCAT1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes BCAT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Specificity	BCAT1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BCAT1
Species	Human
Immunogen	Recombinant protein containing to 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
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	43 kDa	

### Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 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 or below. 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

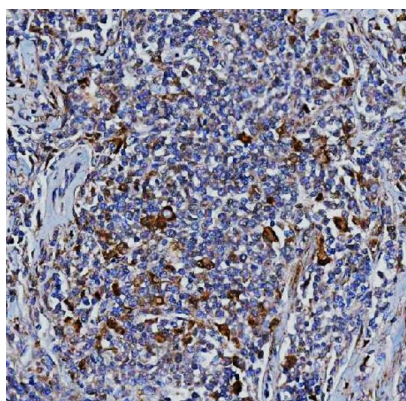
For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

---

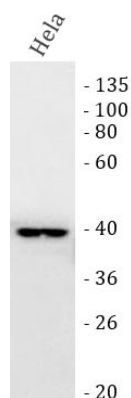
Gene Symbol	BCAT1
Gene Full Name	branched chain amino-acid transaminase 1, cytosolic
Background	This gene encodes the cytosolic form of the enzyme branched-chain amino acid transaminase. This enzyme catalyzes the reversible transamination of branched-chain alpha-keto acids to branched-chain L-amino acids 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
PTM	Acetylation. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

## Images



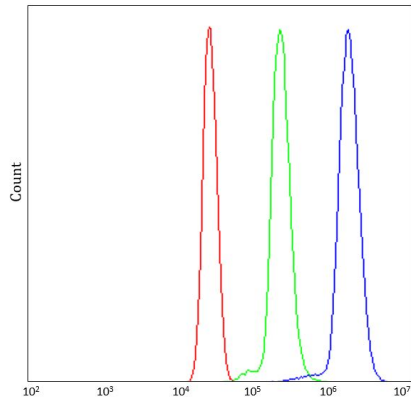
ARG45498 anti-BCAT1 antibody IHC-P image

Immunohistochemistry: Human lymphoma stained with ARG45498 anti-BCAT1 antibody at 2 µg/ml dilution.



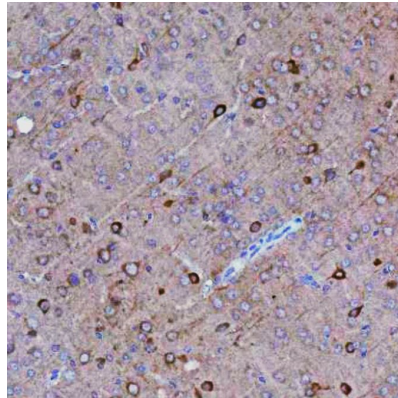
ARG45498 anti-BCAT1 antibody WB image

Western blot: HeLa stained with ARG45498 anti-BCAT1 antibody at 0.5 µg/ml dilution.



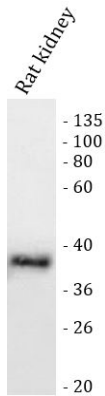
#### ARG45498 anti-BCAT1 antibody FACS image

Flow Cytometry: U937 stained with ARG45498 anti-BCAT1 antibody at 1 µg/10<sup>6</sup> cells dilution.



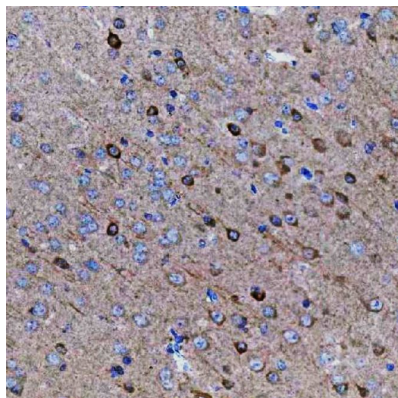
#### ARG45498 anti-BCAT1 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45498 anti-BCAT1 antibody at 2 µg/ml dilution.



#### ARG45498 anti-BCAT1 antibody WB image

Western blot: Rat kidney stained with ARG45498 anti-BCAT1 antibody at 0.5 µg/ml dilution.



#### ARG45498 anti-BCAT1 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45498 anti-BCAT1 antibody at 2 µg/ml dilution.

ARG45498 anti-BCAT1 antibody WB image

Western blot: Mouse kidney stained with ARG45498 anti-BCAT1 antibody at 0.5 µg/ml dilution.

