

## ECA39 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP02808
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human BCAT1. AA range:231-280
<b>Mol wt</b>	42952
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	ECA39 Antibody
<b>Synonyms</b>	BCAT1; BCT1; ECA39; Branched-chain-amino-acid aminotransferase, cytosolic; BCAT(c); Protein ECA39

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

BCAT1 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.

### Recommended Dilution

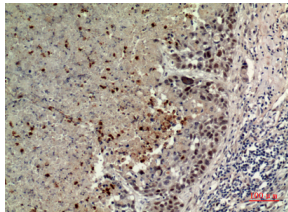
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

ELISA: 1: 20000

Not yet tested in other applications.

### Images



Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100



Western Blot analysis of K562 cells using ECA39 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

## Storage

-20°C for one year

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