

<b>Cat. No:</b>	AB-81400
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	A synthetic peptide of human BCAT1
<b>Reactivity:</b>	Hu ,Ms
<b>Applications:</b>	Western Blot: 1:500 - 1:2000
<b>Molecular Weight:</b>	43KDa
<b>Purification:</b>	Aff. Pur.
<b>Synonyms:</b>	BCAT1;BCATC;BCT1;ECA39;MECA39;PNAS121;PP18

**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.

<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.

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