

DNAxPAb

Hard-to-Find
Antibody

BCAT1 DNAxPab

Catalog # H00000586-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human BCAT1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MKDCSNGCSAECTGEGGSKEVVGTFAKADLIVTPATILKEKPDNNLVFGTVFTDHMLTVEWSS EFGWEKPHIKPLQNLSPGSSALHYAVELFEGKAFRGVDNKIRLFQPNLNMDRMYRSAVRATL PVFDKEELLECIQQLVKLDQEWVPYSTSASLYIRPTFIGTEPSLGVKKPTKALLFVLLSPVGPYFSS GTFNPVSLWANPKYVRAWKGGTGDCKMGGNYGSSLFAQCEAVDNGCQQVLWLYGEDHQITEV GTMNLFLYWINEDEEEELATPPLDGIIIPGVTRRCILDLAHQWGEFKVSERYLTMDDLTTALEGNRV REMFSGGTACVVCPSDILYKGETIHIPTMENGPKLASRILSKLTDIQYGREESDWTIVLS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — BCAT1

Entrez GeneID	586
GeneBank Accession#	NM_005504.4
Protein Accession#	NP_005495.2
Gene Name	BCAT1
Gene Alias	BCT1, DKFZp686E12175, ECA39, MECA39, PNAS-121, PP18
Gene Description	branched chain aminotransferase 1, cytosolic
Omim ID	113520
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	branched-chain-amino-acid aminotransferase, cytosolic placental protein 18

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)
- [Valine](#)
- [Valine](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)