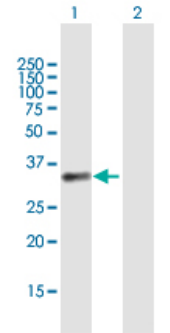
MaxPab®

BCAT1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000586-B01P Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of BCAT1 expression in transfected 293T cell line (H00000586-T01) by BCAT1 MaxPab polyclonal antibody.

Lane 1: BCAT1 transfected lysate(35.31 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human BCAT1 protein.
Immunogen	BCAT1 (AAH33864, 1 a.a. ~ 320 a.a) full-length human protein.
Sequence	MDCSNGCSAECTGEGGSKEVVGTFKAKDLIVTPATILKEKPDPNNLVFGTVFTDHMLTVEWSSE FGWEKPHIKPLQNLSLHPGSSALHYAVELFEGLKAFRGVDNKIRLFQPNLNMDRMYRSAVRATLP VFDKEELLECIQQLVKLDQEWVPYSTSASLYIRPTFIGTEPSLGVKKPTKALLFVLLSPVGPYFSSG TFNPVSLWANPKYVRAWKGGTGDCKMGGNYGSSLFAQCEAVDNGCQQVLWLYGEDHQITEVG TMNLFLYWINEDGEEELATPPLDGIILPGVTRRCILDLAHQWDTELSLFSINLPDFLQFIYF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (74)
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.

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  Protocol Download

Gene Info — BCAT1

Entrez GeneID	586
GeneBank Accession#	BC033864
Protein Accession#	AAH33864
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. Th is enzyme catalyzes the reversible transamination of branched-chain alpha-keto acids to branche d-chain L-amino acids essential for cell growth. Two different clinical disorders have been attribut ed to a defect of branched-chain amino acid transamination: hypervalinemia and hyperleucine-iso leucinemia. As there is also a gene encoding a mitochondrial form of this enzyme, mutations in eit her 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