

For Research Use Only

BCAT1 Monoclonal antibody

Catalog Number: 67084-1-Ig



Basic Information

Catalog Number: 67084-1-Ig	GenBank Accession Number: BC033864	Purification Method: Protein G purification
Size: 150ul , Concentration: 2400 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 586	CloneNo.: 1G3A10
Source: Mouse	Full Name: branched chain aminotransferase 1, cytosolic	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 320 aa, 36 kDa	
Immunogen Catalog Number: AG28328	Observed MW: 42-45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Ramos cells, Daudi cells, pig brain tissue
Species Specificity: Human, pig	

Background Information

BCAT1, also named as branched-chain amino acid transaminase1, is a cytosolic enzyme responsible for the reversible transamination of leucine, isoleucine and valine that catalyzes the transformation of branched-chain L-amino acids (BCAA) into branched-chain α-ketoacids (BCKA), thereby providing macromolecule precursors. It has been reported that BCAT1 is associated with tumor growth and disease progression (PMID:29255149).

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data



Ramos cells were subjected to SDS PAGE followed by western blot with 67084-1-Ig (BCAT1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.