

# BCAT1 Monoclonal antibody

Catalog Number: 67084-1-Ig

## Basic Information

Catalog Number:

67084-1-Ig

Size:

2400 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28328

GenBank Accession Number:

BC033864

GeneID (NCBI):

586

UNIPROT ID:

P54687

Full Name:

branched chain aminotransferase 1,  
cytosolic

Calculated MW:

320 aa, 36 kDa

Observed MW:

42-45 kDa

Purification Method:

Protein G purification

CloneNo.:

1G3A10

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, pig

Positive Controls:

WB : Ramos cells, Daudi cells, pig brain tissue

## 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:

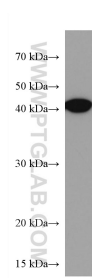
Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.