

For Research Use Only

# BCAT1 Monoclonal antibody

Catalog Number: 67084-1-Ig



## Basic Information

<b>Catalog Number:</b> 67084-1-Ig	<b>GenBank Accession Number:</b> BC033864	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 586	<b>CloneNo.:</b> 1G3A10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P54687	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> branched chain aminotransferase 1, cytosolic	
<b>Immunogen Catalog Number:</b> AG28328	<b>Calculated MW:</b> 320 aa, 36 kDa	
	<b>Observed MW:</b> 42-45 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, pig	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  $\alpha$ -ketoacids (BCKA), thereby providing macromolecule precursors. It has been reported that BCAT1 is associated with tumor growth and disease progression (PMID:29255149).

## Storage

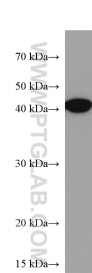
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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.