

For Research Use Only

CoraLite® Plus 488-conjugated BCAT1 Monoclonal antibody

Catalog Number: CL488-67084



Basic Information

Catalog Number:

CL488-67084

Size:

1000 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 1:2000-1:16000

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

WB

Species Specificity:

human, pig

Positive Controls:

WB : Daudi cells,

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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

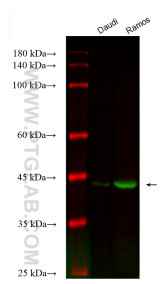
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-67084 (BCAT1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.