

For Research Use Only

BCAT1 Polyclonal antibody

Catalog Number: 28622-1-AP **1 Publications**



Basic Information

Catalog Number: 28622-1-AP	GenBank Accession Number: BC033864	Purification Method: Antigen affinity purification
Size: 700 µg/ml	GeneID (NCBI): 586	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P54687	
Isotype: IgG	Full Name: branched chain aminotransferase 1, cytosolic	
Immunogen Catalog Number: AG28998	Calculated MW: 320 aa, 36 kDa	
	Observed MW: 43-48 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : C6 cells, Jurkat cells
Cited Applications: IHC	IHC : human liver cancer tissue, human lung cancer tissue, human gliomas tissue
Species Specificity: Human, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Hongming Wang	33760210	Oncol Rep	IHC

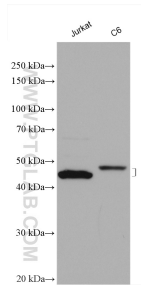
Storage

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

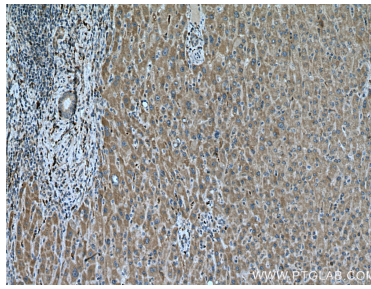
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28622-1-AP (BCAT1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 28622-1-AP (BCAT1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).