

BCAT2

Purified Mouse Monoclonal Antibody
Catalog # AO2541a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	O15382
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	7G3A11
Isotype	Mouse IgG1
Calculated MW	44288
Immunogen	Purified recombinant fragment of human BCAT2 (AA: 259-393) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	587
Other Names	BCAM; BCT2; PP18; BCATM
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BCAT2 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	BCAT2
Function	Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine (PubMed: 17050531 , PubMed: 25653144 , PubMed: 8702755). May also function as a transporter of branched chain alpha-keto acids (By similarity).
Cellular Location	Mitochondrion {ECO:0000250 UniProtKB:O35854}.
Tissue Location	Ubiquitous..

References

1.J Neurochem. 2012 Dec;123(6):997-1009.2.Biochemistry. 2009 Jan 27;48(3):645-56.

Images

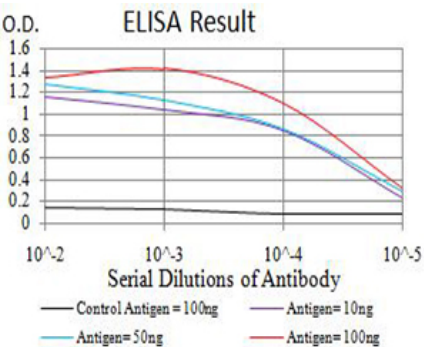


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

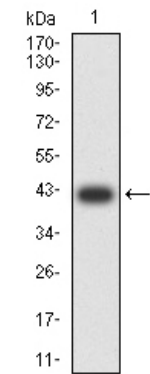


Figure 2:Western blot analysis using BCAT2 mAb against human BCAT2 (AA: 259-393) recombinant protein. (Expected MW is 41.5 kDa)

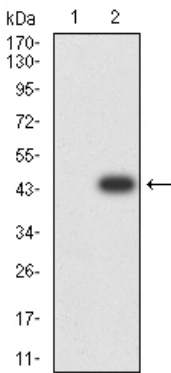


Figure 3:Western blot analysis using BCAT2 mAb against HEK293 (1) and BCAT2 (AA: 259-393)-hIgGFc transfected HEK293 (2) cell lysate.

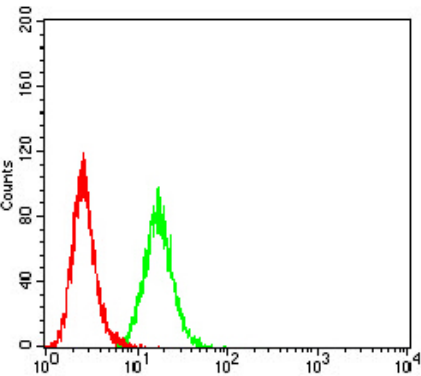


Figure 4:Flow cytometric analysis of HeLa cells using BCAT2 mouse mAb (green) and negative control (red).