

BCAT2
Purified Mouse Monoclonal Antibody
Catalog # AO2541a**Specification**

BCAT2 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	O15382
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	44.3kDa KDa

Immunogen

Purified recombinant fragment of human BCAT2 (AA: 259-393) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

BCAT2 - 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.

BCAT2 - 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:<a href="http://www.uniprot.org/citations/25653144"

target="_blank">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..

BCAT2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BCAT2 - Images

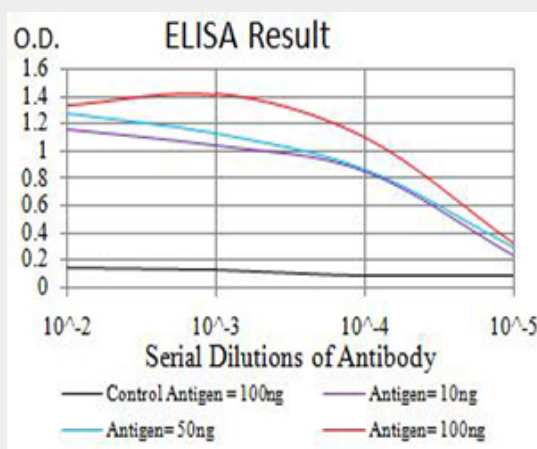


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

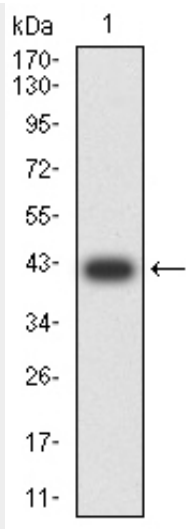


Figure 2: Western blot analysis using BCAT2 mAb against human BCAT2 (AA: 259-393) recombinant protein. (Expected MW is 41.5 kDa)

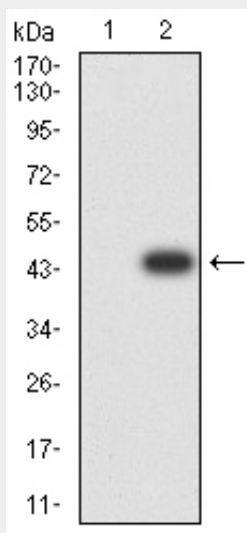


Figure 3: Western blot analysis using BCAT2 mAb against HEK293 (1) and BCAT2 (AA: 259-393)-hlgGfC transfected HEK293 (2) cell lysate.

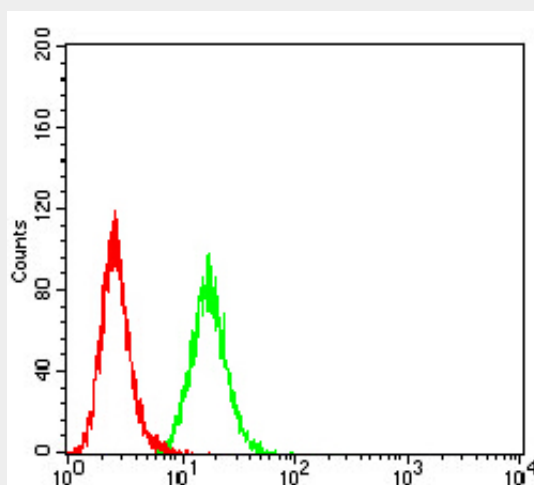


Figure 4: Flow cytometric analysis of HeLa cells using BCAT2 mouse mAb (green) and negative

control (red).

BCAT2 - References

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