abcam

Product datasheet

Anti-BCAT2 antibody [7G3A11] ab233650

3 Images

Overview

Product name	Anti-BCAT2 antibody [7G3A11]
Description	Mouse monoclonal [7G3A11] to BCAT2
Host species	Mouse
Tested applications	**Suitable for:** WB, Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment corresponding to Human BCAT2 aa 259-393. Expressed in E.coli. Database link: **O15382-1**
Positive control	WB: Human BCAT2 recombinant protein; BCAT2-hIgGFc transfected HEK-293 cell lysate. Flow Cytometry: HeLa cells.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	7G3A11
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab233650 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000.
Flow Cyt		1/200 - 1/400.

Target

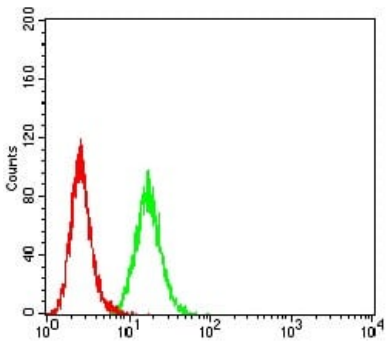
Function Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine. May also function as a transporter of branched chain alpha-keto acids.

Tissue specificity Ubiquitous.

Sequence similarities Belongs to the class-IV pyridoxal-phosphate-dependent aminotransferase family.

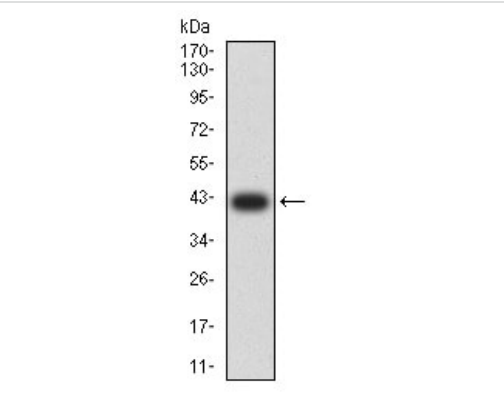
Cellular localization Cytoplasm and Mitochondrion.

Images



Flow Cytometry - Anti-BCAT2 antibody [7G3A11] (ab233650)

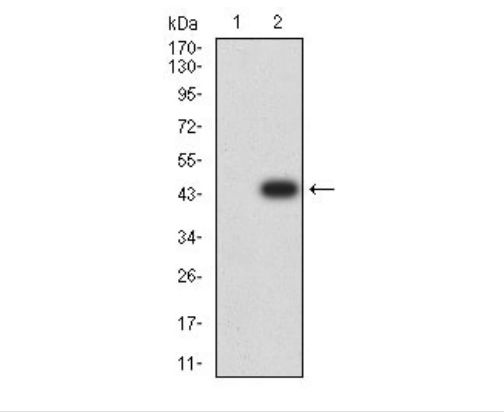
Flow cytometric analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) cell line labeling BCAT2 using ab233650 at 1/200 dilution (green) compared to the negative control (red).



Western blot - Anti-BCAT2 antibody [7G3A11] (ab233650)

Anti-BCAT2 antibody [7G3A11] (ab233650) at 1/500 dilution + Human BCAT2 recombinant protein (amino acids 259-393)

(Expected MW is 41.5 kDa)



Western blot - Anti-BCAT2 antibody [7G3A11] (ab233650)

All lanes : Anti-BCAT2 antibody [7G3A11] (ab233650) at 1/500 dilution

Lane 1 : HEK-293 (human epithelial cell line from embryonic kidney) cell lysate
Lane 2 : BCAT2 (amino acids 259-393)-hIgGFc transfected HEK-293 (human epithelial cell line from embryonic kidney) cell lysate

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