

KD-Validated Anti-BCAT1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

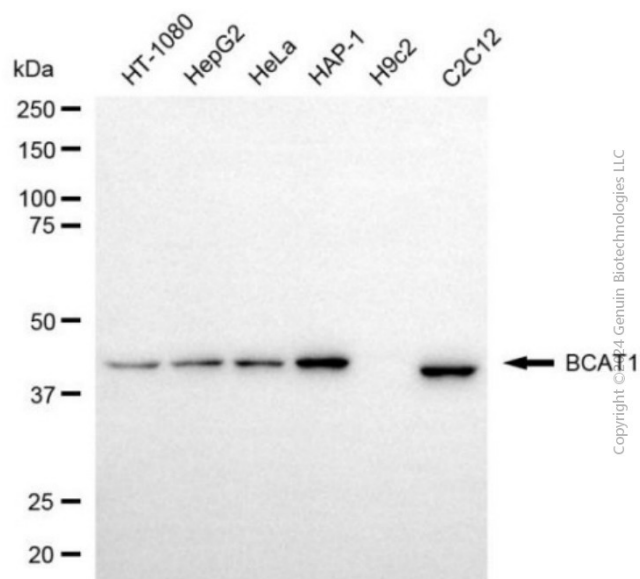
ABG2010

Product Overview

Name	KD-Validated Anti-BCAT1 Mouse Monoclonal Antibody
Accession(Primary)	P54687
Host Species	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Immunogen	Recombinant protein of human BCAT1
Species Reactivity	Human, Mouse
Calculated MW	Predicted, 43 kDa, observed, 43 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:1,000

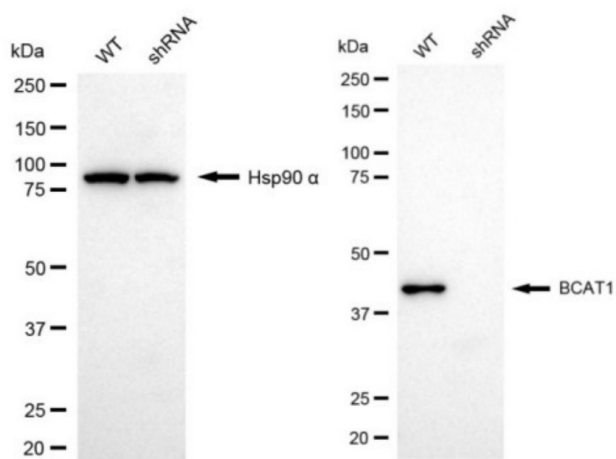
Target information (P54687)

Gene Name	BCAT1
About Gene Symbol	BCAT1 (Branched Chain Amino Acid Transaminase 1) is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



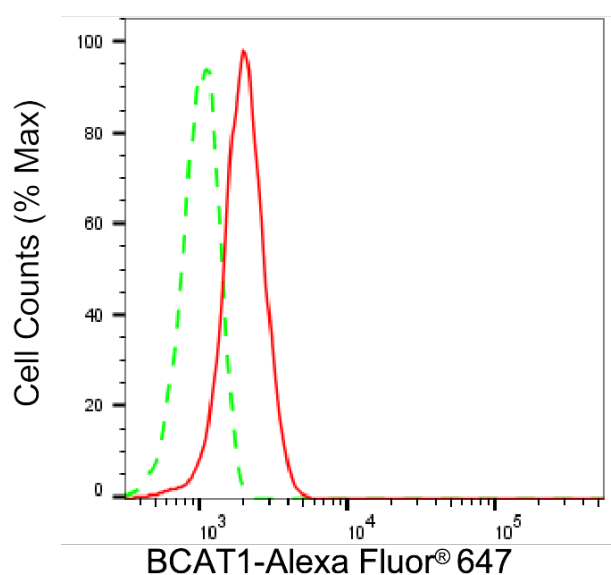
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Western blotting analysis using anti-BCAT1 antibody (Cat#ABG2010). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-BCAT1 antibody (Cat#ABG2010, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



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Western blotting analysis using anti-BCAT1 antibody (Cat#ABG2010). BCAT1 expression in wild type (WT) and BCAT1 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-BCAT1 antibody (Cat#ABG2010, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



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Flow cytometric analysis of BCAT1 expression in C2C12 cells using anti-BCAT1 antibody (Cat#ABG2010, 1:1,000). Green, isotype control; red, BCAT1.

