Product information

Monoclonal anti-human BCAT1 antibody (clone AT3C8)

Mouse IgG_1, κ

Cat. No. IBATGA0359

Immunogen: Recombinant human BCAT1 (1-386aa) purified from *E. coli*

NCBI Accession No.: NP_005495

Isotype: Mouse IgG_1 heavy chain and κ light chain

Clone: Anti-human BCAT1 mAb, clone AT3C8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BCAT1 protein.

Description: BCAT1, also known as branched chain amino-acid transaminase (cytosolic form), catalyzes the reversible transamination of branched-chain alpha-keto acids to branched-chain L-amino acids essential for cell growth. Two different clinical disorders have been attributed to a defect of branched-chain amino acid transamination: hypervalinemia and hyperleucine-isoleucinemia. BCAT1 is expressed in the brain and kidney. Overexpressed in MYC-induced tumors such as Burkitt's lymphoma.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Application: ELISA, WB

Manufactured for:
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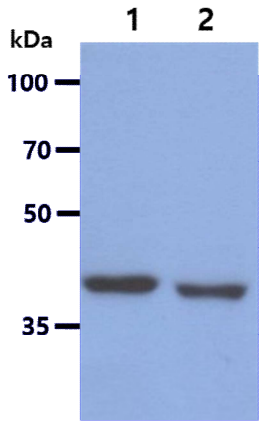
Western blot analysis

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BCAT1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Lane 1. : Jurkat cell lysate

Lane 2. : HeLa cell lysate

General references: Goto M., *et al*. (2005) *J Biol Chem*. **280**: 37246-37256.

Schuldiner O., *et al*. (1996) *Proc Natl Acad Sci USA*. **93**: 7143-7148.

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