

Datasheet for ABIN3043181
anti-BCAT2 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	BCAT2
Binding Specificity:	AA 377-392, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BCAT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Branched-chain-amino-acid aminotransferase, mitochondrial(BCAT2) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human BCAT2(377-392aa KEIQYGIRAH EWMFPV).
Sequence:	KEIQYGIRAH EWMFPV
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Branched-chain-amino-acid aminotransferase, mitochondrial(BCAT2) detection. Tested with WB, IHC-P in Human.</p> <p>Gene Name: branched chain amino-acid transaminase 2, mitochondrial</p> <p>Protein Name: Branched-chain-amino-acid aminotransferase, mitochondrial(BCAT(m))</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: BCAT2

Alternative Name: BCAT2 ([BCAT2 Products](#))

Background: BCAT2, branched-chain aminotransferase 2, encodes a branched chain aminotransferase found in mitochondria. The encoded protein forms a dimer that catalyzes the first step in the production of the branched chain amino acids leucine, isoleucine, and valine. Multiple transcript variants encoding different isoforms have been found for this gene. The human BCAT2 gene is mapped to 19q13.

Synonyms: BCAM antibody|BCAT 2 antibody|BCAT(m) antibody|BCAT2 antibody|BCAT2_HUMAN antibody|BCATM antibody|BCT2 antibody|Branched chain aminotransferase 2, mitochondrial antibody|Branched-chain-amino-acid aminotransferase antibody|ECA40 antibody|mitochondrial antibody|Placental protein 18 antibody|PP18 antibody

UniProt: [O15382](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

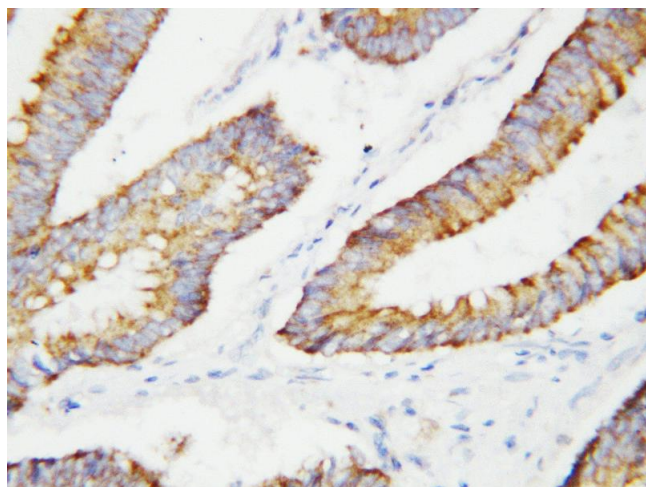
Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

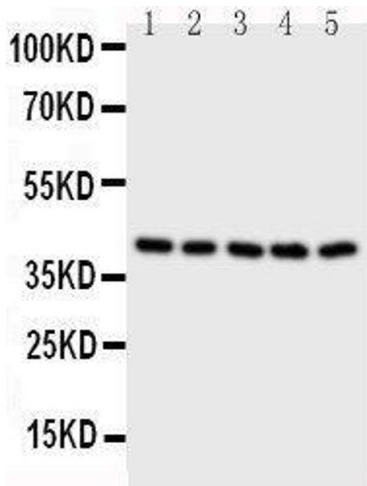
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-BCAT2 antibody, IHC(P) IHC(P): Human Colon Cancer Tissue



Western Blotting

Image 2.