

Anti-BCAT1 antibody

Cat. No.	ml121976
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-BCAT1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human BCAT1
Reactivity	Human, Mouse
Content	1 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	BCAT1
Full name	branched chain amino acid transaminase 1
Synonyms	BCT1; PP18; BCATC; ECA39; MECA39; PNAS121
Swissprot	P54687

Target Background

This gene encodes the cytosolic form of the enzyme branched-chain amino acid transaminase. This enzyme 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. As there is also a gene encoding a mitochondrial form of this enzyme, mutations in either gene may contribute to these disorders. Alternatively spliced transcript variants have been described.

订购热线: 4008-898-798

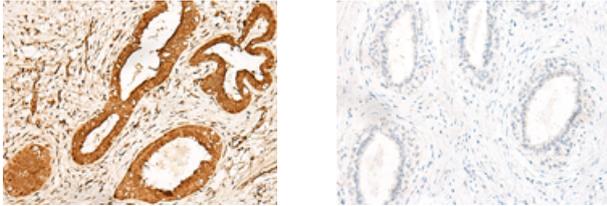
Applications

Immunohistochemistry

Predicted cell location: Nucleus and Cytoplasm

Positive control: Human breast cancer

Recommended dilution: 50-300

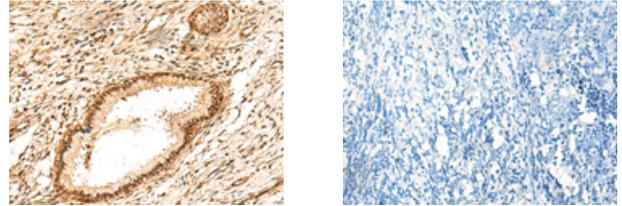


The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml121976(BCAT1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Predicted cell location: Nucleus and Cytoplasm

Positive control: Human cervical cancer

Recommended dilution: 50-300



The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ml121976(BCAT1 Antibody) at dilution 1/60, on the right is treated with fusion protein. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 43 kDa

Positive control: Jurkat cell lysate

Recommended dilution: 500-2000

Gel: 8%SDS-PAGE

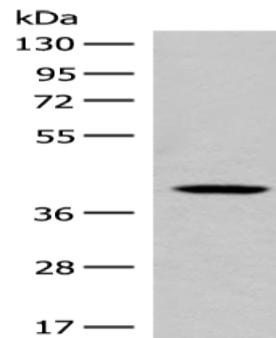
Lysate: 40 μ g

Lane: Jurkat cell lysate

Primary antibody: ml121976(BCAT1 Antibody) at dilution 1/350

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 15 seconds



ELISA

Recommended dilution: 5000-10000

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