

Branched-chain-amino-acid aminotransferase, mitochondrial Polyclonal Antibody

Catalog No: #42080

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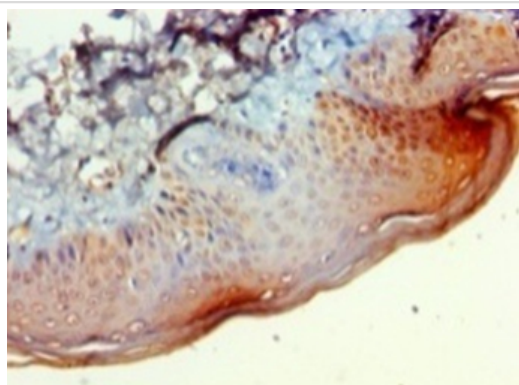
Description

Product Name	Branched-chain-amino-acid aminotransferase, mitochondrial Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Branched-chain-amino-acid aminotransferase, mitochondrial polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Branched-chain-amino-acid aminotransferase, mitochondrial (28-392aa)
Target Name	Branched-chain-amino-acid aminotransferase, mitochondrial
Other Names	Branched-chain-amino-acid aminotransferase, mitochondrial, Placental protein 18, BCATM, BCT2, ECA40, BCAT2
Accession No.	Swiss-Prot#: O15382
Uniprot	O15382
GeneID	587;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human skin tissue using #42080 at dilution of 1:100.

Background

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.

References

[1]"Human mitochondrial branched chain aminotransferase isozyme: structural role of the CXXC center in catalysis."Yennawar N.H., Islam M.M., Conway M., Wallin R., Hutson S.M.J. Biol. Chem. 281:39660-39671(2006). [2]"Structural determinants for branched-chain aminotransferase isozyme-specific inhibition by the anticonvulsant drug gabapentin." Goto M., Miyahara I., Hirotsu K., Conway M., Yennawar N., Islam M.M., Hutson S.M.J. Biol. Chem. 280:37246-37256(2005). [3]"Crystal structures of human mitochondrial branched chain aminotransferase reaction intermediates: ketimine and pyridoxamine phosphate forms."Yennawar N.H., Conway M.E., Yennawar H.P., Farber G.K., Hutson S.M.Biochemistry 41:11592-11601(2002).

Note: This product is for in vitro research use only