

产品名称: ECA39 Rabbit Polyclonal Antibody
产品货号: APRab10277



产品概述 (Summary)

产品名称 (Production Name)	ECA39 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	BCAT1
别名 (Alternative Names)	BCAT1; BCT1; ECA39; Branched-chain-amino-acid aminotransferase, cytosolic; BCAT(c); Protein ECA39
基因 ID (Gene ID)	586.0
蛋白 ID (SwissProt ID)	P54687.The antiserum was produced against synthesized peptide derived from the Internal region of human BCAT1. AA range:231-280

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	43kDa

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研究背景 (Background)

branched chain amino acid transaminase 1 (BCAT1) Homo sapiens 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. [provided by RefSeq, May 2010], catalytic activity: 2-oxoglutaric acid + L-isoleucine = (S)-3-methyl-2-oxopentanoic acid + L-glutamic acid, catalytic activity: 2-oxoglutaric acid + L-valine = 3-methyl-2-oxobutanoic acid + L-glutamic acid, catalytic activity: L-leucine + 2-oxoglutarate = 4-methyl-2-oxopentanoate + L-glutamate, cofactor: Pyridoxal phosphate, function: Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine, similarity: Belongs to the class-IV pyridoxal-phosphate-dependent aminotransferase family, subunit: Homodimer, tissue specificity: During embryogenesis, expressed in the brain and kidney. Overexpressed in C-myc induced tumors such as Burkitt's lymphoma,

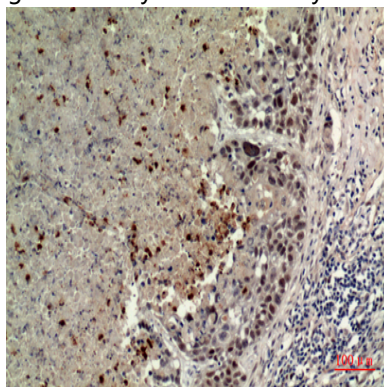
研究领域 (Research Area)

Valine; leucine and isoleucine degradation; Valine; leucine and isoleucine biosynthesis; Pantothenate and CoA biosynthesis;

图片 (Image Data)



Western Blot analysis of K562 cells using ECA39 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



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Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100

注意事项 (Note)

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