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ECA39 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51975

Product Information

Application	WB
Primary Accession	P54687
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42966

Additional Information

Gene ID	586
Other Names	Branched-chain-amino-acid aminotransferase, cytosolic, BCAT(c), Protein ECA39, BCAT1, BCT1, ECA39
Target/Specificity	KLH conjugated synthetic peptide derived from human ECA39
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	BCAT1
Synonyms	BCT1, ECA39 {ECO:0000303|PubMed:8692959}
Function	Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:P54690}.
Tissue Location	During embryogenesis, expressed in the brain and kidney. Overexpressed in MYC-induced tumors such as Burkitt's lymphoma

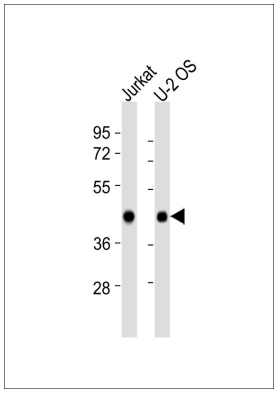
Background

Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine.

References

Schuldiner O.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:7143-7148(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Scherer S.E.,et al.Nature 440:346-351(2006).
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).

Images



All lanes : Anti-ECA39 Antibody at 1:1000 dilution Lane 1: Jurkat whole cell lysates Lane 2: U-2 OS whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.