

ECA39 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51975

Specification

ECA39 Antibody - Product Information

Application	WB
Primary Accession	P54687
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43 KDa
Antigen Region	321 - 380

ECA39 Antibody - 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

ECA39 Antibody - 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

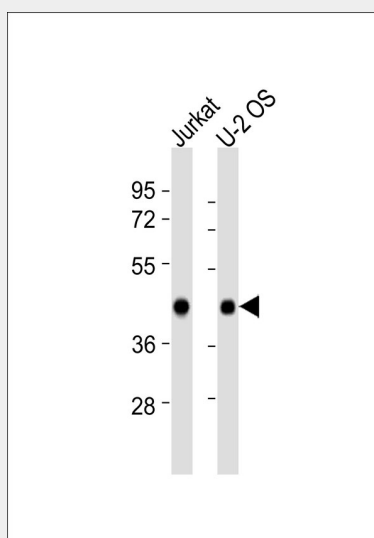
During embryogenesis, expressed in the brain and kidney. Overexpressed in MYC-induced tumors such as Burkitt's lymphoma

ECA39 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ECA39 Antibody - 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.

ECA39 Antibody - Background

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

ECA39 Antibody - 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).