

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

Function

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

Cellular Location

Cytoplasm.

Tissue Location

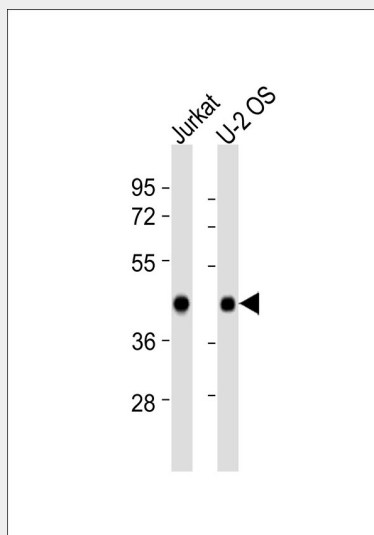
During embryogenesis, expressed in the brain and kidney. Overexpressed in MYC-induced tumors such as Burkitt's lymphoma

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).