

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

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**ECA39 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P54687</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>43 KDa</b>
Antigen Region	<b>321 - 380</b>

**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**

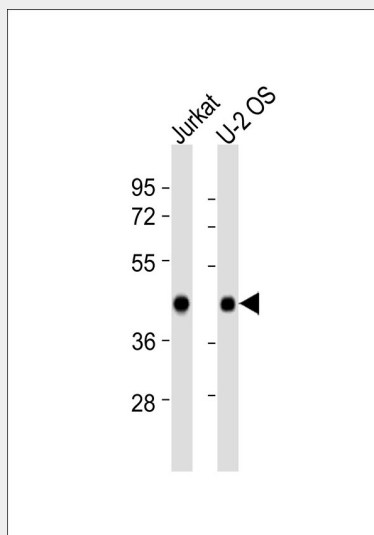
During embryogenesis, expressed in the brain and kidney. Overexpressed in MYC-induced tumors such as Burkitt's lymphoma

### 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).  
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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).