

BCAT1 / ECA39 Antibody (clone 3F5)
Mouse Monoclonal Antibody
Catalog # ALS16299**Specification**

BCAT1 / ECA39 Antibody (clone 3F5) - Product Information

Application	WB
Primary Accession	P54687
Reactivity	Human, Mouse, Dog
Host	Mouse
Clonality	Monoclonal
Calculated MW	43kDa KDa

BCAT1 / ECA39 Antibody (clone 3F5) - Additional Information**Gene ID** 586**Other Names**

Branched-chain-amino-acid aminotransferase, cytosolic, BCAT(c), 2.6.1.42, Protein ECA39, BCAT1, BCT1, ECA39

Target/Specificity

Human BCAT1 / ECA39

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

BCAT1 / ECA39 Antibody (clone 3F5) is for research use only and not for use in diagnostic or therapeutic procedures.

BCAT1 / ECA39 Antibody (clone 3F5) - 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

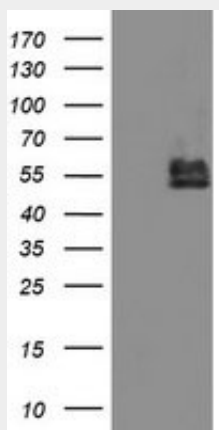
During embryogenesis, expressed in the brain and kidney. Overexpressed in MYC-induced tumors such as Burkitt's lymphoma

BCAT1 / ECA39 Antibody (clone 3F5) - Protocols

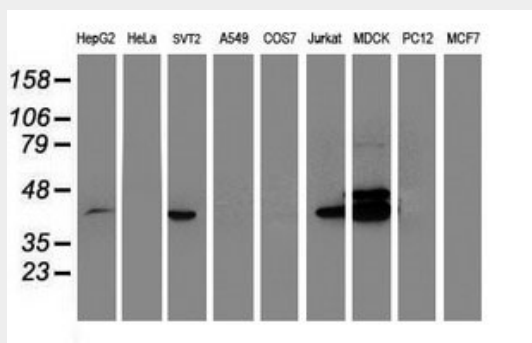
Provided below are standard protocols that you may find useful for product applications.

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

BCAT1 / ECA39 Antibody (clone 3F5) - Images



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BCAT1...



Western blot of extracts (35 ug) from 9 different cell lines by using anti-BCAT1 monoclonal...

BCAT1 / ECA39 Antibody (clone 3F5) - Background

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

BCAT1 / ECA39 Antibody (clone 3F5) - 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).