Product datasheet

Anti-ACLY Antibody (Clone#ECF-1)

Catalog Number: *BM4399*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-ACLY Antibody (Clone#ECF-1)
Gene Name	ACLY
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IP, IHC, ICC/IF, FCM
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human ATP citrate lyase
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	121 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:50 Flow Cytometry (FCM): 1:50

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

ATP citrate lyase, aslo known as ACLY, is an enzyme that in animals represents an important step in fatty acid biosynthesis. ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer of apparently identical subunits. The product, acetyl-CoA, in animals serves several important biosynthetic pathways, including lipogenesis and cholesterogenesis. It is activated by insulin. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. In plants, ATP citrate lyase generates the acetyl-CoA for cytosolically-synthesized metabolites.

Anti-ACLY Antibody (Clone#ECF-1)

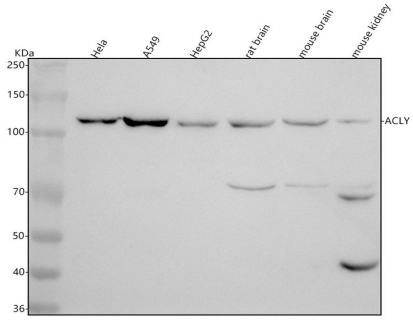
Catalog Number: *BM4399*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Reference

Anti-ACLY Antibody (Clone#ECF-1)被引用在2文献中。

Selected Validation Data

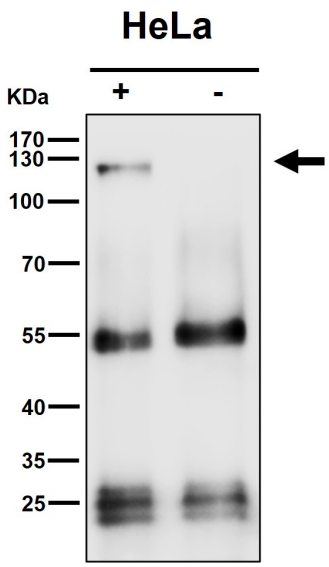


Western blot analysis of anti-ACLY antibody (BM4399). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human A549 whole cell lysates,
Lane 3: human HepG2 whole cell lysates,
Lane 4: rat brain tissue lysates,
Lane 5: mouse brain tissue lysates,
Lane 6: mouse kidney tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ACLY antigen affinity purified monoclonal antibody (BM4399) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ACLY at approximately 121 kDa. The expected band size for ACLY is at 121 kDa.

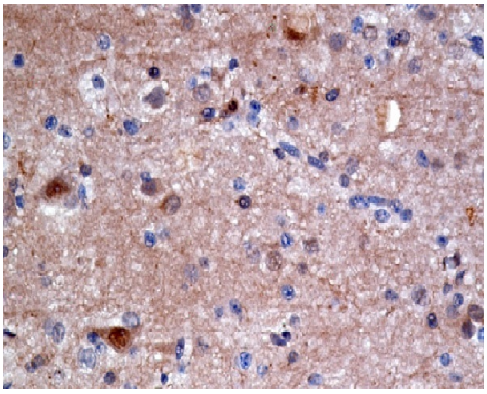
Anti-ACLY Antibody (Clone#ECF-1)

Catalog Number: *BM4399*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com



Immunoprecipitate (IP) analysis using the Antibody. (wb)



Immunohistochemical analysis of paraffin-embedded human brain carcinoma, using ATP citrate lyase Antibody .