

ACLY Antibody

Catalog No: #36267

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

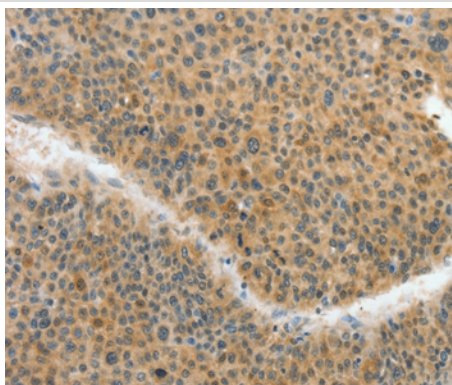
Description

Product Name	ACLY Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ACLY protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the C terminal of human ATP citrate lyase
Target Name	ACLY
Other Names	ACL; ATPCL; CLATP
Accession No.	Swiss-Prot#: P53396NCBI Gene ID: 47Gene Accssion: BC006195
Uniprot	P53396
GeneID	47;
Concentration	1.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

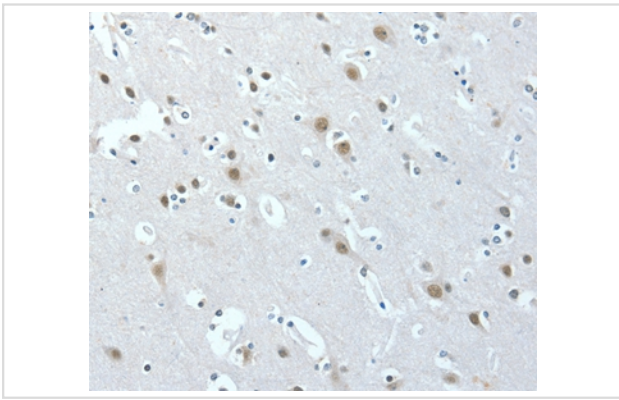
Application Details

Immunohistochemistry: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #36267 at dilution 1/40.



Immunohistochemical analysis of paraffin-embedded Human brain tissue using #36267 at dilution 1/40.

Background

ATP citrate lyase is the primary enzyme responsible for the synthesis of cytosolic acetyl-CoA in many tissues. The enzyme is a tetramer (relative molecular weight approximately 440,000) of apparently identical subunits. It catalyzes the formation of acetyl-CoA and oxaloacetate from citrate and CoA with a concomitant hydrolysis of ATP to ADP and phosphate. The product, acetyl-CoA, serves several important biosynthetic pathways, including lipogenesis and cholesterologenesis. In nervous tissue, ATP citrate-lyase may be involved in the biosynthesis of acetylcholine. Two transcript variants encoding distinct isoforms have been identified for this gene.

Note: This product is for in vitro research use only