Product Datasheet

ATP citrate lyase Rabbit mAb

Catalog No: #48874

Package Size: #48874-1 50ul #48874-2 100ul

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

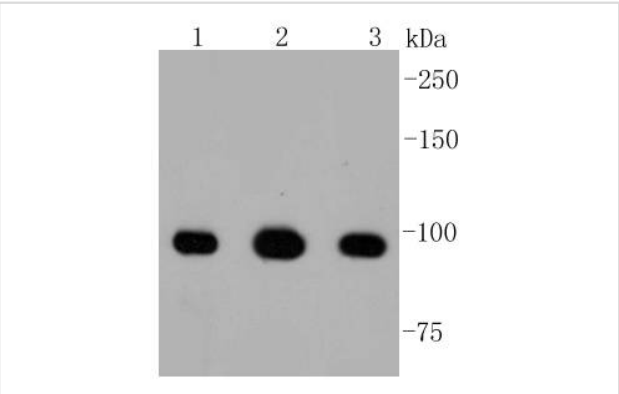
Description

Product Name	ATP citrate lyase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST51-07
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ACL antibody Acly antibody ACLY_HUMAN antibody ATP citrate (pro-S) lyase antibody ATP citrate lyase antibody ATP citrate synthase antibody ATP-citrate (pro-S-)-lyase antibody ATP-citrate synthase antibody ATPcitrate synthase antibody ATPCL antibody Citrate cleavage enzyme antibody CLATP antibody OTTHUMP00000164773 antibody
Accession No.	Swiss-Prot#:P53396
Uniprot	P53396
GeneID	47;
Calculated MW	122 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

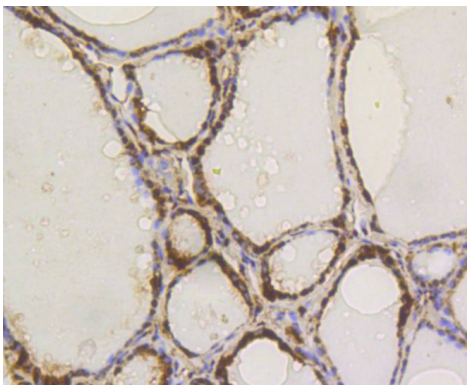
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

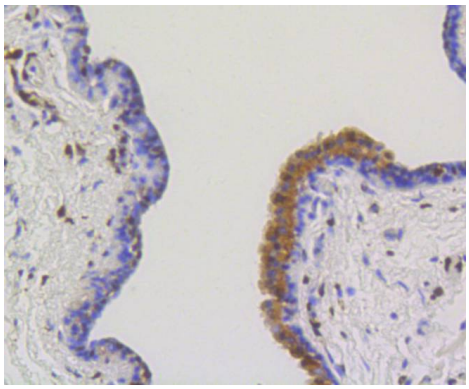
Images



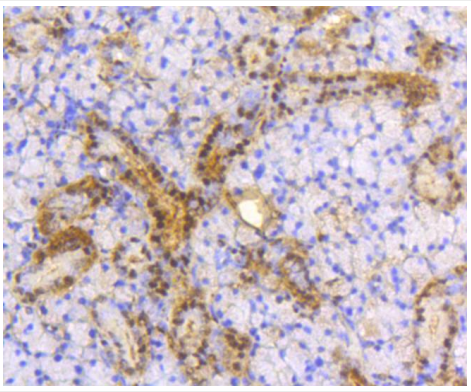
Western blot analysis of ATP citrate lyase on different lysates using anti-ATP citrate lyase antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse kidney Lane 2: Mouse colon Lane 3: MCF-7



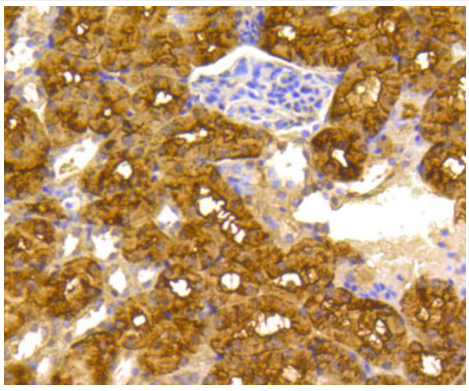
Immunohistochemical analysis of paraffin-embedded human thyroid tissue using anti-ATP citrate lyase citrate lyase antibody. Counter stained with hematoxylin.



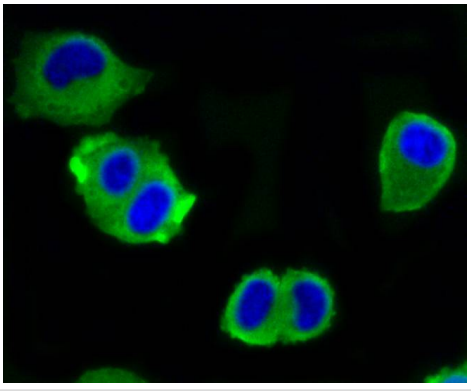
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-ATP citrate lyase antibody. Counter stained with hematoxylin.



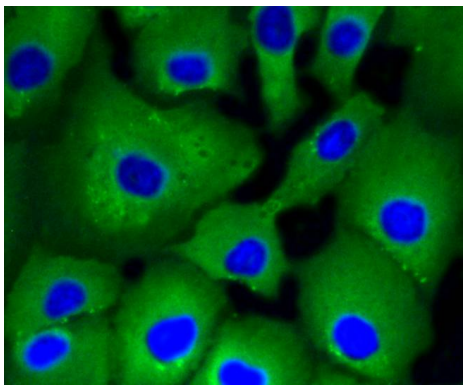
Immunohistochemical analysis of paraffin-embedded mouse thyroid tissue using anti-ATP citrate lyase antibody. Counter stained with hematoxylin.



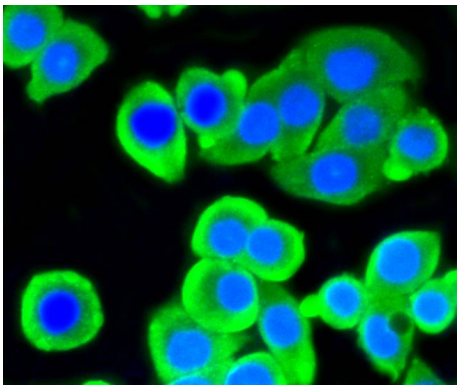
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-ATP citrate lyase antibody. Counter stained with hematoxylin.



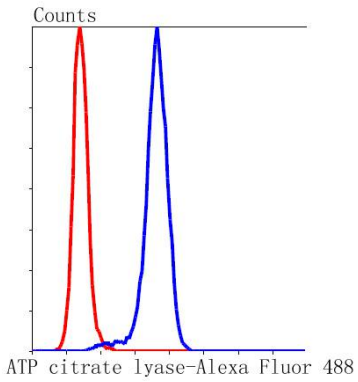
ICC staining ATP citrate lyase in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ATP citrate lyase in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ATP citrate lyase in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Hela cells with ATP citrate lyase antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

ATP-citrate synthase, also designated ATP-citrate lyase or citrate cleavage enzyme, is a cytoplasmic homotetramer belonging to the succinate/malate CoA ligase family. The gene coding for this protein maps against chromosome 17q12-q21. ATP-citrate synthase catalyses the formation of acetyl-CoA and oxaloacetate from citrate and CoA. This product, Acetyl-CoA, is necessary for both fatty acid and cholesterol biosynthesis. ATP citrate-lyase is important in the biosynthesis of acetylcholine in nervous tissue.

References

Note: This product is for in vitro research use only