

# Product Datasheet

## ATP Citrate Lyase Antibody (ST51-07) NBP2-67509

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-67509****ATP Citrate Lyase Antibody (ST51-07)**

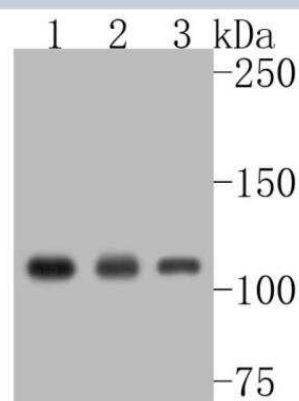
| Product Information |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| Unit Size           | 100 ul                                                                                 |
| Concentration       | 1 mg/ml                                                                                |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality           | Monoclonal                                                                             |
| Clone               | ST51-07                                                                                |
| Preservative        | 0.05% Sodium Azide                                                                     |
| Isotype             | IgG                                                                                    |
| Purity              | Protein A purified                                                                     |
| Buffer              | TBS (pH7.4), 0.05% BSA, 40% Glycerol                                                   |

| Product Description |                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Host                | Rabbit                                                                                                                                 |
| Gene Symbol         | ACLY                                                                                                                                   |
| Species             | Human, Mouse, Rat                                                                                                                      |
| Immunogen           | Synthetic peptide within C-terminal human ATP Citrate Lyase. (SwissProt: P53396 Human; SwissProt: Q91V92 Mouse; SwissProt: P16638 Rat) |

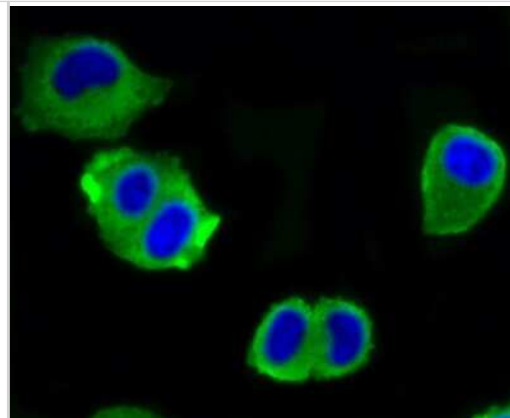
| Product Application Details |                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation                                               |
| Recommended Dilutions       | Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:200, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200 |

**Images**

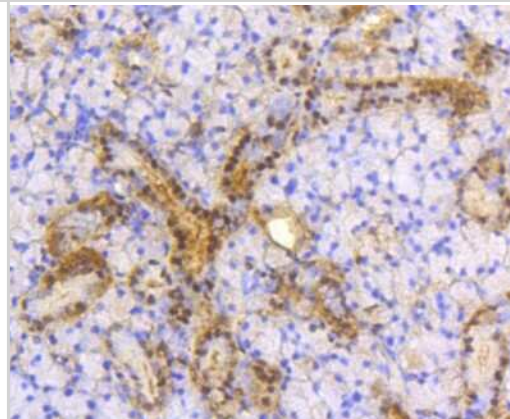
Western Blot: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - Analysis of ATP citrate lyase on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: A549 cell lysate Lane 2: CRC cell lysate Lane 3: Hela cell lysate



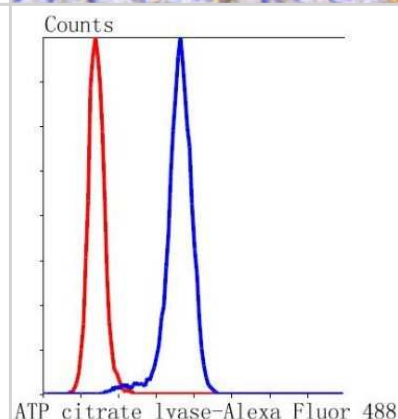
Immunocytochemistry/Immunofluorescence: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - Staining ATP citrate lyase in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



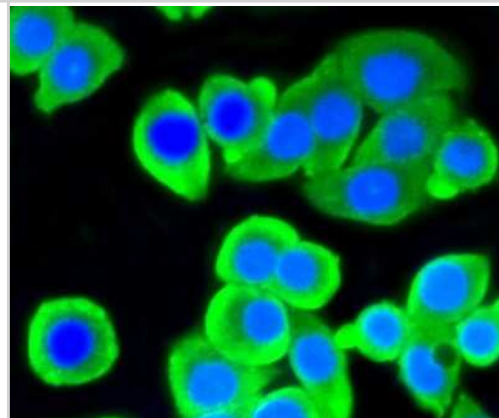
Immunohistochemistry-Paraffin: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - Analysis of mouse thyroid tissue using anti-ATP citrate lyase antibody. Counter stained with hematoxylin.



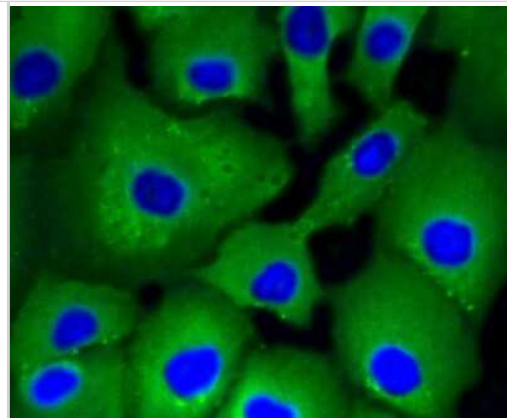
Flow Cytometry: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - Analysis of Hela cells with ATP citrate lyase antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



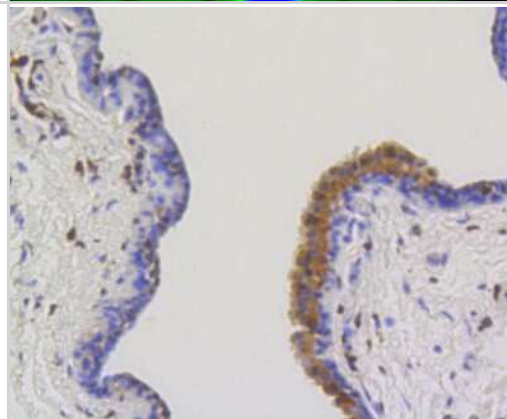
Immunocytochemistry/Immunofluorescence: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - Staining ATP citrate lyase in CRC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunocytochemistry/Immunofluorescence: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - 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.



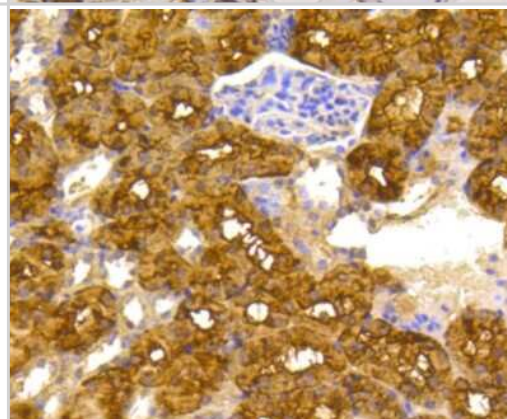
Immunohistochemistry-Paraffin: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - Analysis of human breast carcinoma tissue using anti-ATP citrate lyase antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - Analysis of human thyroid tissue using anti-ATP citrate lyase antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: ATP Citrate Lyase Antibody (ST51-07) [NBP2-67509] - Analysis of mouse kidney tissue using anti-ATP citrate lyase antibody. Counter stained with hematoxylin.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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