

# Product Datasheet

## FACL4 Antibody NBP2-16401

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**NBP2-16401****FACL4 Antibody****Product Information**

|                                |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>                 | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>               | Polyclonal   |
| <b>Preservative</b>            | 0.025% Proclin 300   |
| <b>Isotype</b>                 | IgG  |
| <b>Purity</b>                  | Antigen Affinity-purified  |
| <b>Buffer</b>                  | PBS (pH 7), 20% Glycerol, 1% BSA   |
| <b>Target Molecular Weight</b> | 79 kDa   |

**Product Description**

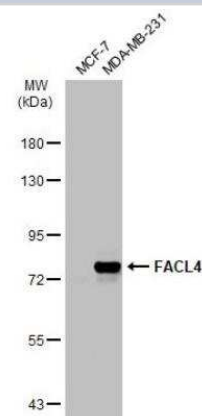
|                    |  |
|--------------------|--|
| <b>Host</b>        | Rabbit   |
| <b>Gene ID</b>     | 2182   |
| <b>Gene Symbol</b> | ACSL4  |
| <b>Species</b>     | Human, Mouse, Rat  |
| <b>Immunogen</b>   | Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human FACL4. The exact sequence is proprietary. |

**Product Application Details**

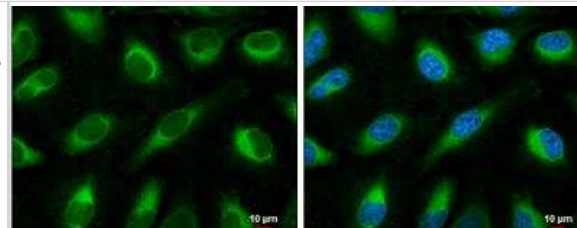
|                              |  |
|------------------------------|--|
| <b>Applications</b>          | Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation  |
| <b>Recommended Dilutions</b> | Western Blot 1:500-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:1000-1:5000, Immunohistochemistry-Paraffin 1:100-1:1000 |

**Images**

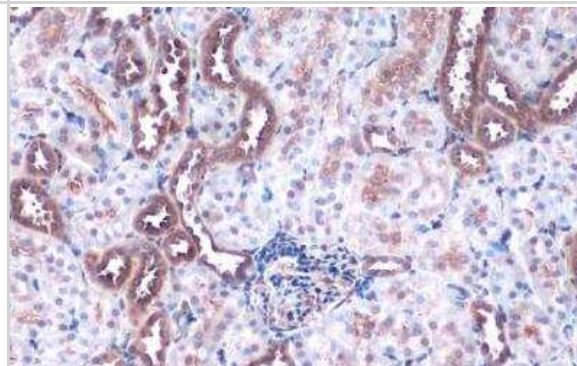
Western Blot: FACL4 Antibody [NBP2-16401] - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with FACL4 antibody [C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



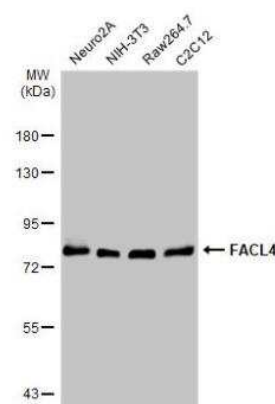
**Immunocytochemistry/Immunofluorescence:** FACL4 Antibody [NBP2-16401] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: FACL4 protein stained by FACL4 antibody [C3], C-term diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10  $\mu$ m.



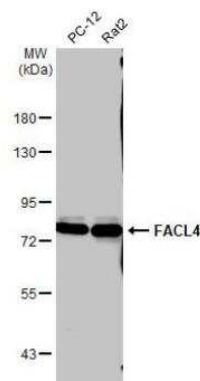
**Immunohistochemistry-Paraffin:** FACL4 Antibody [NBP2-16401] - mouse kidney. FACL4 stained by FACL4 antibody [C3], C-term diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



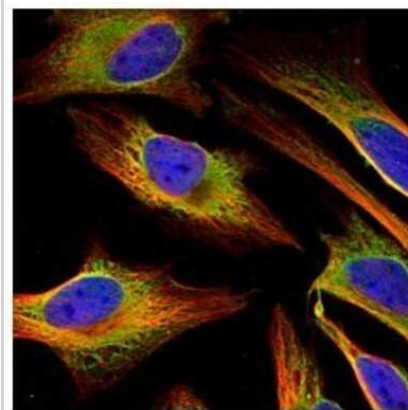
**Western Blot:** FACL4 Antibody [NBP2-16401] - Various whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with FACL4 antibody [C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



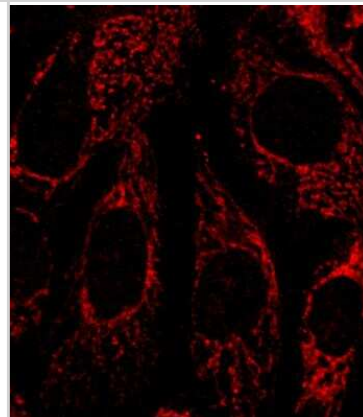
**Western Blot:** FACL4 Antibody [NBP2-16401] - Various whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with FACL4 antibody [C3], C-term diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



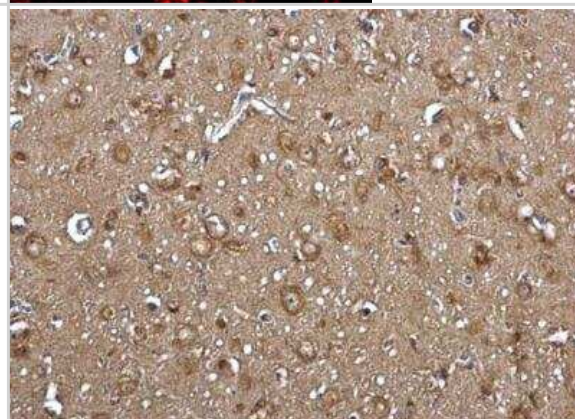
Immunocytochemistry/Immunofluorescence: FACL4 Antibody [NBP2-16401] - Confocal immunofluorescence analysis of methanol-fixed HeLa, using FACL4 antibody (Green) at 1:500 dilution. Alpha-tubulin filaments are labeled with Alpha-tubulin antibody (Red) at 1:2000.



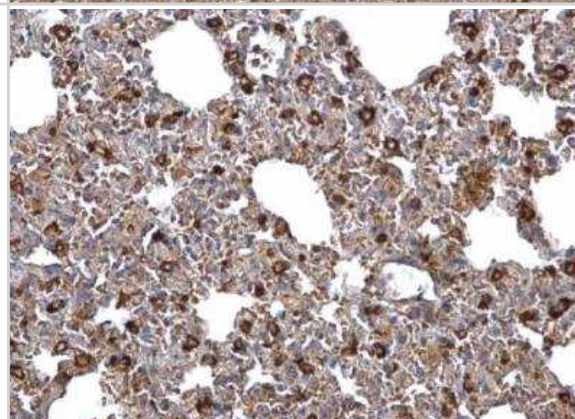
Immunocytochemistry/Immunofluorescence: FACL4 Antibody [NBP2-16401] - analysis of FACL4 in MCF10A cells using anti-FACL4 antibody. Image submitted by a verified customer review.



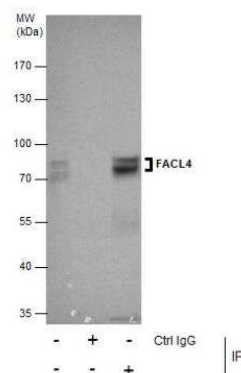
Immunohistochemistry-Paraffin: FACL4 Antibody [NBP2-16401] - Rat middle brain. FACL4 antibody [C3], C-term dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



Immunohistochemistry-Paraffin: FACL4 Antibody [NBP2-16401] - Mouse lymph node. FACL4 antibody [C3], C-term dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min



Immunoprecipitation: FACL4 Antibody [NBP2-16401] - Immunoprecipitation of FACL4 protein from HeLa whole cell extracts using 5 ug of FACL4 antibody [C3], C-term Western blot analysis was performed using FACL4 antibody [C3], C-term. EasyBlot anti-Rabbit IgG was used as a secondary reagent.



## Publications

Minkyung Park, Sujeong Park, Yumin Choi, Young-Lai Cho, Min Jeong Kim, Young-Jun Park, Su Wol Chung, Heedoo Lee, Seon-Jin Lee The mechanism underlying correlation of particulate matter-induced ferroptosis with inflammasome activation and iron accumulation in macrophages Cell Death Discovery 2024-03-15 [PMID: 38491062]

Sha Gao, Shuang Gao, Yanuo Wang, Na Li, Zijian Yang, Huiping Yao, Yanwei Chen, Yu Cheng, Yisheng Zhong, Xi Shen, Claudio Bucolo Inhibition of Ferroptosis Ameliorates Photoreceptor Degeneration in Experimental Diabetic Mice International Journal of Molecular Sciences 2023-11-29 [PMID: 38069270]

Tang W, Dong M, Teng F et al. Environmental Allergens House Dust Mites-induced Asthma Causes Ferroptosis in the Lungs Research Square 2021-02-24 [PMID: 34765024] (WB, Mouse)

Duplaquet L, Leroy C, Vinchent A et al. Control of cell death/survival balance by the MET dependence receptor Elife 2020-02-24 [PMID: 32091387] (IF/IHC, Mouse)

Nuzzo D, Amato A, Picone P et al. A Natural Dietary Supplement with a Combination of Nutrients Prevents Neurodegeneration Induced by a High Fat Diet in Mice. Preprints (www.preprints.org) | 2018-07-16 [PMID: 30134549] (WB, Mouse)



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General: novus@novusbio.com

### **Products Related to NBP2-16401**

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|               |   |
|---------------|---|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP2-55119PEP | FACL4 Recombinant Protein Antigen                   |

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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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