

# FASN Polyclonal Antibody

| Product Details    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Size               | 100 µL                                                                                                                 |
| Species Reactivity | Human, Mouse, Rat                                                                                                      |
| Published Species  | Mouse                                                                                                                  |
| Host/Isotype       | Rabbit / IgG                                                                                                           |
| Class              | Polyclonal                                                                                                             |
| Type               | Antibody                                                                                                               |
| Conjugate          | Unconjugated                                                                                                           |
| Immunogen          | Recombinant fragment corresponding to a region within amino acids 7 and 287 of Fatty Acid Synthase (Uniprot ID#P49327) |
| Form               | Liquid                                                                                                                 |
| Concentration      | 0.2 mg/mL                                                                                                              |
| Purification       | Antigen affinity chromatography                                                                                        |
| Storage buffer     | PBS, pH 7, with 20% glycerol, 1% BSA                                                                                   |
| Contains           | 0.025% ProClin 300                                                                                                     |
| Storage conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.                           |
| RRID               | AB_11156419                                                                                                            |

| Applications                              | Tested Dilution | Publications  |
|-------------------------------------------|-----------------|---------------|
| Western Blot (WB)                         | 1:500-1:3,000   | 1 Publication |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100-1:1,000   | -             |
| Immunocytochemistry (ICC/IF)              | 1:100-1:1,000   | -             |
| Immunoprecipitation (IP)                  | 1:100-1:1,000   | -             |

## Product Specific Information

Recommended positive controls: Molt-4, mouse brain, PC-12, Rat2, 293T.

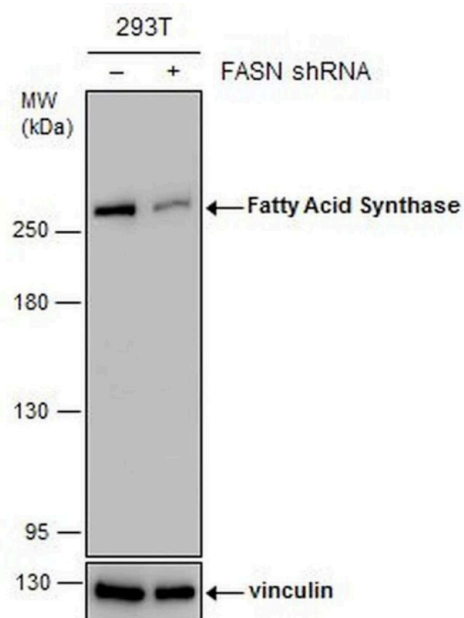
Predicted reactivity: Mouse (89%), Rat (89%), Pig (83%), Bovine (85%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Product Images For FASN Polyclonal Antibody

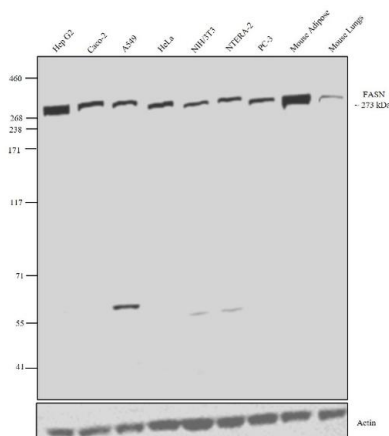
### FASN Antibody (PA5-22061)

Antibody specificity was demonstrated by shRNA mediated knockdown of the target protein. 293T cells were transfected with FASN shRNA and decrease in signal intensity was observed in Western blot application using FASN Polyclonal Antibody (Product # PA5-22061). {KD}



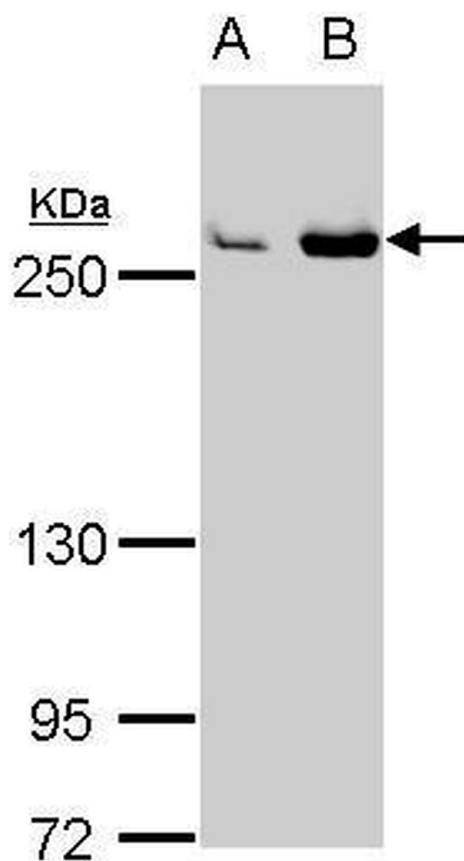
### FASN Antibody (PA5-22061) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of HepG2 (Lane 1), Caco-2 (Lane 2), A549 (Lane 3), HeLa (Lane 4), NIH/3T3 (Lane 5), NTERA-2 (Lane 6), PC-3 (Lane 7), tissue extracts of Mouse Adipose (Lane 8) and Mouse Lung (Lane 9). The blot was probed with FASN Polyclonal Antibody (Product # PA5-22061, 1:2,000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # , A27036, 0.25 µg/mL, 1:4,000 dilution). A band at ~273 kDa corresponding to FASN was observed across the cell lines and tissues tested.



### FASN Antibody (PA5-22061) in WB

FASN Polyclonal Antibody detects FASN protein by western blot analysis. A. 30 µg PC-12 whole cell lysate/extract. B. 30 µg Rat2 whole cell lysate/extract. 5% SDS-PAGE. FASN Polyclonal Antibody (Product # PA5-22061) dilution: 1:1,000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



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## 1 Reference

### Western Blot (1)

#### Scientific reports

#### Antibesity and antidiabetic effects of the dairy bacterium *Propionibacterium freudenreichii* MJ2 in high-fat diet-induced obese mice by modulating lipid metabolism.

"PA5-22061 was used in Western Blotting to investigate the antibesity and antidiabetic effects of the dairy bacterium *P. freudenreichii* MJ2 isolated from raw milk using 3T3-L1 cells and high-fat diet (HFD)-induced obese mice."

Authors: An M, Park YH, Lim YH

**Year**  
2021

**Species**  
Mouse

**Dilution**  
1:1000

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