

## Recombinant FASN Monoclonal Antibody

catalog number: AN301520L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| <b>Reactivity</b>   | Human;Mouse;Rat                                                 |
| <b>Immunogen</b>    | Recombinant human FASN fragment                                 |
| <b>Host</b>         | Rabbit                                                          |
| <b>Isotype</b>      | Rabbit IgG                                                      |
| <b>Clone</b>        | C121143                                                         |
| <b>Purification</b> | Protein A purified                                              |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

### Applications

### Recommended Dilution

|            |              |
|------------|--------------|
| <b>WB</b>  | 1:500-1:2000 |
| <b>IHC</b> | 1:200-1:1000 |
| <b>FCM</b> | 1:50-1:100   |
| <b>IP</b>  | 1:25-1:50    |

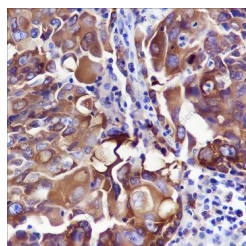
### Data



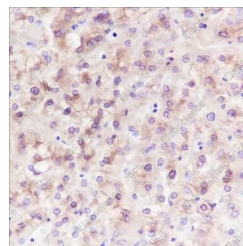
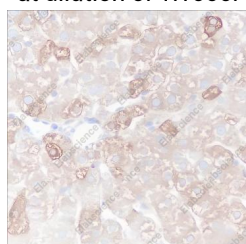
Western Blot with FASN Monoclonal Antibody at dilution of 1:2000. Lane 1: HeLa, Lane 2: 293T, Lane 3: A549, Lane 4: HepG2, Lane 5: MOLT-4, Lane 6: PC-3

**Observed-MW:260 kDa**

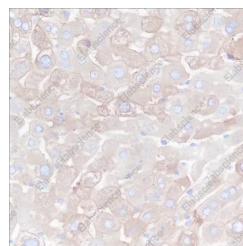
**Calculated-MW:273 kDa**



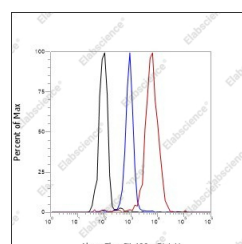
Immunohistochemistry of paraffin-embedded Human lung adenocarcinoma using FASN Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human liver using FASN Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse liver using FASN Monoclonal Antibody at dilution of 1:1000.



### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

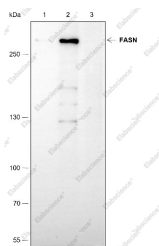
Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.2

Immunohistochemistry of paraffin-embedded Rat liver using FASN Monoclonal Antibody at dilution of 1:1000.

Flow cytometric analysis of human FASN expression on A549 cells. Cells were stained with purified anti-Human FASN, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.



Immunoprecipitation analysis using anti-FASN Monoclonal Antibody. Western blot was performed from the immunoprecipitate using FASN Monoclonal Antibody at a dilution of 1:50. Lane 1: 5% Input, Lane 2: FASN Monoclonal Antibody, Lane 3: Rabbit monoclonal IgG

Isotype

**Observed-MW:260 kDa**

**Calculated-MW:273 kDa**

## Preparation & Storage

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| <b>Shipping</b> | Ice bag                                                         |

## Background

Fatty acid synthetase is a multifunctional enzyme that catalyzes the de novo biosynthesis of long-chain saturated fatty acids starting from acetyl-CoA and malonyl-CoA in the presence of NADPH. This multifunctional protein contains 7 catalytic activities and a site for the binding of the prosthetic group 4'-phosphopantetheine of the acyl carrier protein ([ACP]) domain.