

For Research Use Only

# fetuin-B Polyclonal antibody

Catalog Number: 18052-1-AP



## Basic Information

### Catalog Number:

18052-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12562

### GenBank Accession Number:

BC074734

### GeneID (NCBI):

26998

### UNIPROT ID:

Q9UGM5

### Full Name:

fetuin B

### Calculated MW:

382 aa, 42 kDa

### Observed MW:

50-60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : human blood tissue, human plasma

IP : human plasma tissue,

IHC : human liver cancer tissue, mouse liver tissue

## Background Information

Fetuin A and B are both members of the cystatin superfamily. They are mainly expressed in the liver (hepatokines), as well as other tissues such as the kidneys, tongue, and placenta. Fetuin-B has been identified as a novel adipokine/hepatokine that significantly increases hepatic steatosis and mediates impaired insulin action and glucose intolerance. (PMID: 36915725, PMID: 35702137)

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

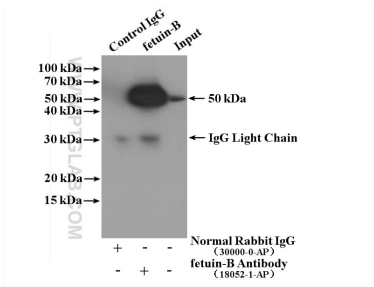
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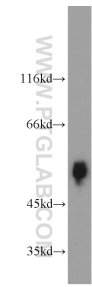
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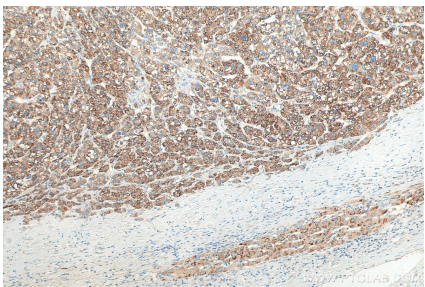
Selected Validation Data



IP result of anti-fetuin-B (IP:18052-1-AP, 4ug; Detection:18052-1-AP 1:2000) with human plasma lysate 4000 ug.



human blood were subjected to SDS PAGE followed by western blot with 18052-1-AP (fetuin-B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 18052-1-AP (fetuin-B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).