

For Research Use Only

# FNDC3B Polyclonal antibody, PBS Only

Catalog Number: 22605-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

22605-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG18357

**GenBank Accession Number:**

BC039297

**GeneID (NCBI):**

64778

**UNIPROT ID:**

Q53EPO

**Full Name:**

fibronectin type III domain containing 3B

**Calculated MW:**

1204 aa, 133 kDa

**Observed MW:**

150 kDa, 70 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IP, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

Fibronectin type III domain-containing protein 3B(FNDC3B), also named FAD104, belongs to the FNDC3 family. FNDC3B is a positive regulator of adipocyte differentiation and is expressed at an early stage of adipocyte differentiation. FNDC3B is an endoplasmic reticulum transmembrane protein with a single transmembrane domain at the C terminus preceded by nine repeated fibronectin type III domains(PMID: 32966780). Due to the ability of the fibronectin type III domain to bind to a variety of proteins, FNDC3B plays a crucial role in cell adhesion, proliferation, and growth signaling. FNDC3B is abnormally expressed in a variety of human cancers, including hepatocellular carcinoma, acute myeloid leukemia, colorectal carcinoma, and cervical carcinoma(PMID: 36275754).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

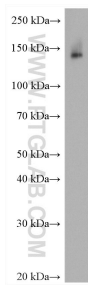
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

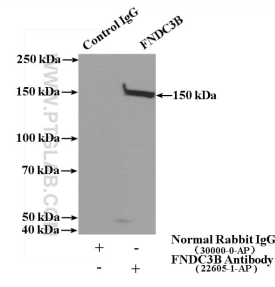
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

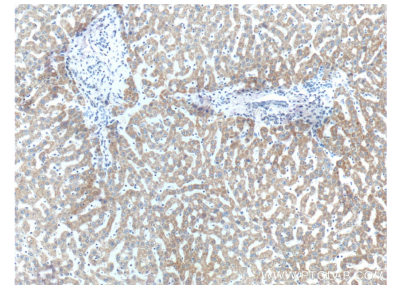
## Selected Validation Data



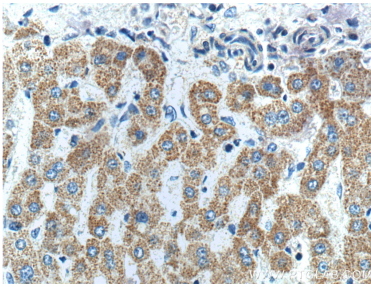
4T1 cells were subjected to SDS PAGE followed by western blot with 22605-1-AP (FNDC3B antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22605-1-PBS in a different storage buffer formulation.



IP result of anti-FNDC3B (IP:22605-1-AP, 4ug; Detection:22605-1-AP 1:1000) with HepG2 cells lysate 2400ug. This data was developed using the same antibody clone with 22605-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 22605-1-AP (FNDC3B Antibody) at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 22605-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 22605-1-AP (FNDC3B Antibody) at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 22605-1-PBS in a different storage buffer formulation.