

For Research Use Only

# SYNJ2BP Polyclonal antibody

Catalog Number: 15666-1-AP

Featured Product

12 Publications



## Basic Information

**Catalog Number:**

15666-1-AP

**Concentration:**

1000 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8130

**GenBank Accession Number:**

BC007704

**GeneID (NCBI):**

55333

**UNIPROT ID:**

P57105

**Full Name:**

synaptojanin 2 binding protein

**Calculated MW:**

145 aa, 16 kDa

**Observed MW:**

16 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

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

IHC 1:200-1:800

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP, CoIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**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:** mouse kidney tissue, A549 cells, rat kidney tissue, mouse lung tissue

**IP:** mouse lung tissue,

**IHC:** mouse liver tissue,

**IF/ICC:** HepG2 cells, MCF-7 cells

## Background Information

Activin, a member of the TGF-beta superfamily, plays important roles in reproductive tissues as a stimulator of follicle-stimulating hormone (FSH) secretion and inhibits the proliferation of breast cancer cells. Activin receptor-interacting protein 2 (ARIP2), also known as synaptojanin-2-binding protein (SYNJ2BP), is located in the outer membrane of mitochondria. ARIP2 is widely distributed in various human tissues, and has been recently identified in mouse tissues as a regulatory protein of activin signal transduction by interacting with activin type II receptors. ARIP2 may be a putative growth-promoting factor involved in breast tumorigenesis and tumor development. A double band of size 15.9 kDa can be detected in Western blot (PMID: 23284606).

## Notable Publications

Author	Pubmed ID	Journal	Application
Miao Wang	29163781	Oncotarget	WB,IHC,IP
Alina Guna	36264797	Science	WB
Michael J McKenna	36283413	Mol Cell	WB

## 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

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

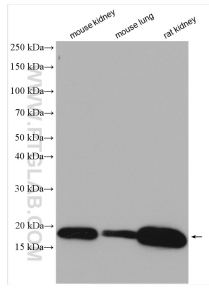
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

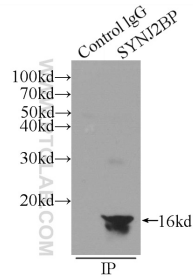
W: [ptgcn.com](http://ptgcn.com)

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

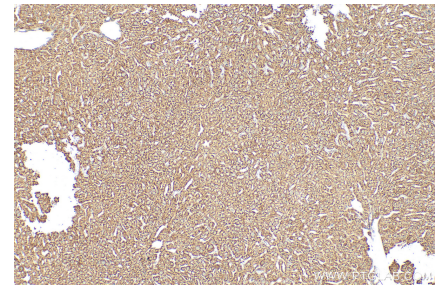
## Selected Validation Data



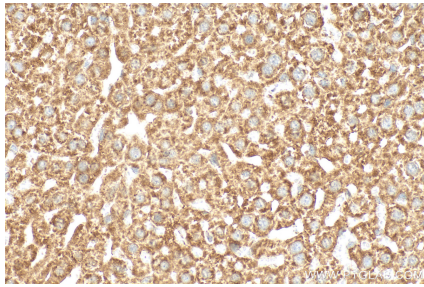
Various lysates were subjected to SDS PAGE followed by western blot with 15666-1-AP (SYNJ2BP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



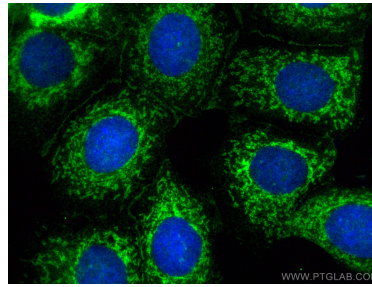
IP result of anti-SYNJ2BP (IP:15666-1-AP, 3ug; Detection:15666-1-AP 1:500) with mouse lung tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15666-1-AP (SYNJ2BP antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



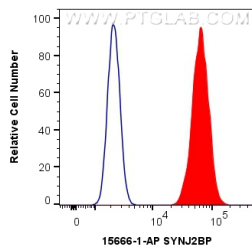
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15666-1-AP (SYNJ2BP antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using SYNJ2BP antibody (15666-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SYNJ2BP antibody (15666-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human SYNJ2BP (15666-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).