

For Research Use Only

SYNJ2BP Polyclonal antibody

Catalog Number: 15666-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

15666-1-AP

Size:

150UL, Concentration: 400 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8130

GenBank Accession Number:

BC007704

GeneID (NCBI):

55333

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 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IHC, IP, WB

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, mouse lung tissue, human heart tissue, rat kidney tissue

IP: mouse lung tissue,

IHC: human stomach cancer tissue,

IF: MCF-7 cells, HepG2 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
Xiao Liu	27440153	J Exp Clin Cancer Res	WB,IHC
Michael J McKenna	32973005	Science	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

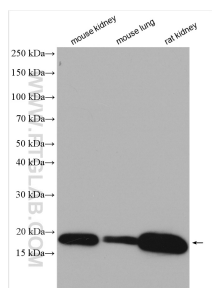
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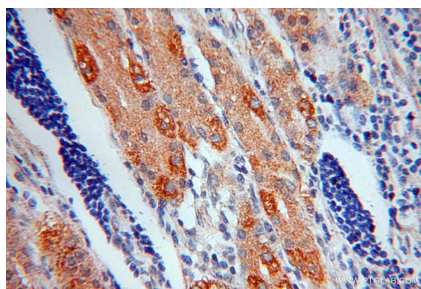
E: proteintech@ptglab.com
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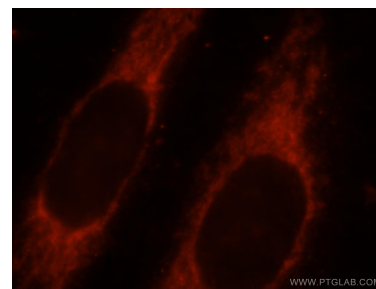
Selected Validation Data



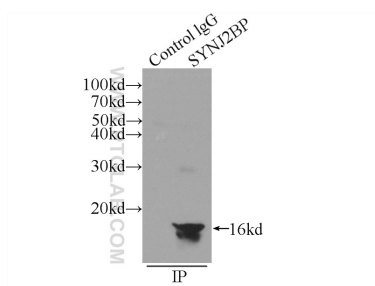
Various lysates were subjected to SDS PAGE followed by western blot with 15666-1-AP (SYNJ2BP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer using 15666-1-AP (SYNJ2BP antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells, using SYNJ2BP antibody 15666-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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