

For Research Use Only

# CNPY2/MSAP Monoclonal antibody, PBS Only



Catalog Number: 66173-1-PBS

Featured Product

## Basic Information

### Catalog Number:

66173-1-PBS

### Size:

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

### Source:

Mouse

### Isotype:

IgG2b

### Immunogen Catalog Number:

AG6363

### GenBank Accession Number:

BC065015

### GeneID (NCBI):

10330

### UNIPROT ID:

Q9Y2B0

### Full Name:

canopy 2 homolog (zebrafish)

### Calculated MW:

21 kDa

### Observed MW:

18-21 kDa

### Purification Method:

Protein A purification

### CloneNo.:

1G8G11

## Applications

### Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

### Species Specificity:

human, mouse, rat, pig

## Background Information

CNPY2, also named as MSAP, TMEM4 and ZSIG9, is a positive regulator of neurite outgrowth. It interacts with the ezrin-radixin-moesin (ERM)-like myosin regulatory light chain-interacting protein (MIR), and the two proteins are co-localized in cell lines and in primary neurons. CNPY2 can stabilize MRLC and thus bring about an increase in neurite outgrowth. (PMID: 12826659) This antibody is specific to CNPY2

## Storage

### Storage:

Store at -80°C.

### Storage Buffer:

PBS Only

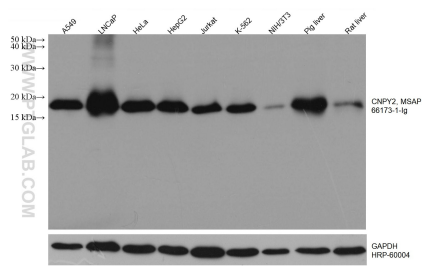
For technical support and original validation data for this product please contact:

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

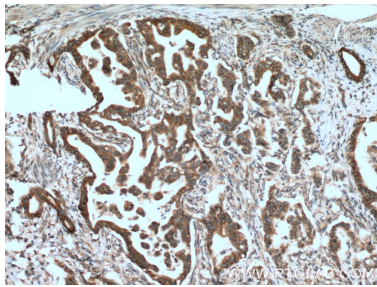
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

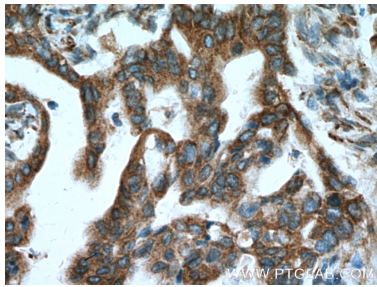
Selected Validation Data



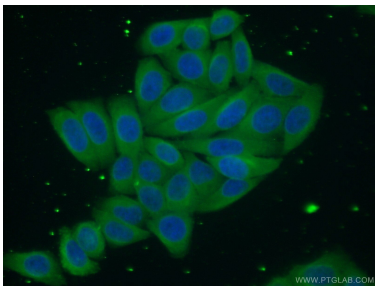
Various lysates were subjected to SDS PAGE followed by western blot with 66173-1-Ig (CNPY2, MSAP antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66173-1-PBS in a different storage buffer formulation.



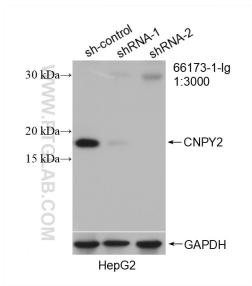
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66173-1-Ig (CNPY2, MSAP antibody at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66173-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 66173-1-Ig (CNPY2, MSAP antibody at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66173-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (10% Formaldehyde ) fixed HepG2 cells using 66173-1-Ig(CNPY2, MSAP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-mouse IgG(H+L). This data was developed using the same antibody clone with 66173-1-PBS in a different storage buffer formulation.



WB result of CNPY2, MSAP antibody (66173-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNPY2, MSAP transfected HepG2 cells. This data was developed using the same antibody clone with 66173-1-PBS in a different storage buffer formulation.