# PP1 beta Rabbit mAb

Catalog No.: A4364 Recombinant



### **Basic Information**

#### **Observed MW**

37kDa

#### **Calculated MW**

37kDa

### Category

Primary antibody

#### **Applications**

WB,IHC-P,IF/ICC,ELISA

#### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC0981

# **Background**

The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Mouse studies suggest that PP1 functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed.

### **Recommended Dilutions**

**WB** 1:1000 - 1:6000

IHC-P 1:500 - 1:1000

**IF/ICC** 1:50 - 1:200

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

## Immunogen Information

**Gene ID**5500

Swiss Prot
P62140

#### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

#### **Synonyms**

MP; PP1B; PP1c; NSLH2; PP-1B; PPP1CD; PP1beta; PPP1beta; HEL-S-80p; PP1 beta

### **Contact**

<b>a</b>		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
•	ī	www.abclonal.com.cn

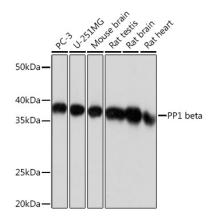
### **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

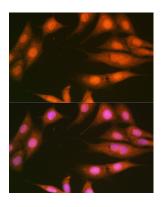


Western blot analysis of various lysates using PP1 beta Rabbit mAb (A4364) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins:  $25\mu g$  per lane.

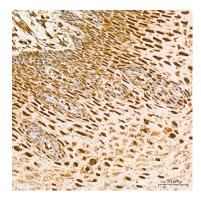
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

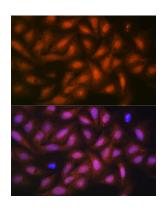
Exposure time: 1s.



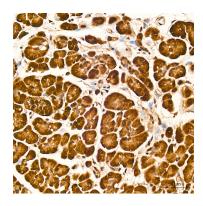
Immunofluorescence analysis of NIH-3T3 cells using PP1 beta Rabbit mAb (A4364) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



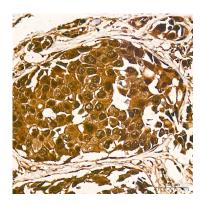
Immunohistochemistry analysis of paraffinembedded Human esophagus tissue using PP1 beta Rabbit mAb (A4364) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of U-2 OS cells using PP1 beta Rabbit mAb (A4364) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffinembedded Human pancreas tissue using PP1 beta Rabbit mAb (A4364) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

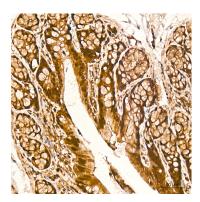


Immunohistochemistry analysis of paraffinembedded Human breast cancer tissue using PP1 beta Rabbit mAb (A4364) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse colon tissue using PP1 beta Rabbit mAb (A4364) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

# **Validation Data**



Immunohistochemistry analysis of paraffinembedded Rat colon tissue using PP1 beta Rabbit mAb (A4364) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.