

For Research Use Only

# Septin 6 Polyclonal antibody

Catalog Number: 12805-1-AP

Featured Product

11 Publications



## Basic Information

**Catalog Number:**  
12805-1-AP

**Size:**  
150ul, Concentration: 300 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG3521

**GenBank Accession Number:**  
BC036240

**GeneID (NCBI):**  
23157

**Full Name:**  
septin 6

**Calculated MW:**  
434 aa, 50 kDa

**Observed MW:**  
50 kDa

**Purification Method:**  
Antigen affinity purification

**Recommended Dilutions:**  
WB 1:500-1:1000  
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB  
IHC 1:50-1:500

## Applications

**Tested Applications:**  
IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, 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:** Jurkat cells, K-562 cells, rat brain tissue

**IP:** rat brain tissue,

**IHC:** human cervical cancer tissue,

## Background Information

Septin 6 belongs to the septins family which are conserved GTP-binding proteins functioning as dynamic, regulatable scaffolds for the recruitment of other proteins. They are involved in membrane dynamics, vesicle trafficking, apoptosis, and cytoskeletal remodeling. Septin 6 also interacts with hepatitis C virus (HCV) NS5b RNA polymerase and NS5b-binding protein (HNRNPA1) and may play a role in HCV RNA replication.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuhui Fan	30315255	Lab Invest	WB
Yi-Ru Shen	32392324	Mol Hum Reprod	IF
Lei Sun	31905721	Cells	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

\*\*\* 20ul sizes contain 0.1% BSA

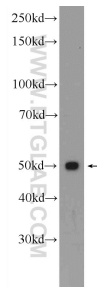
For technical support and original validation data for this product please contact:

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

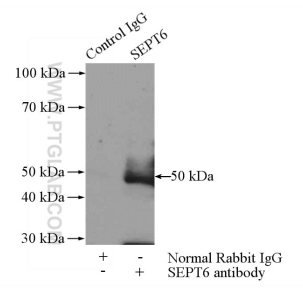
E: proteintech@ptglab.com  
W: ptglab.com

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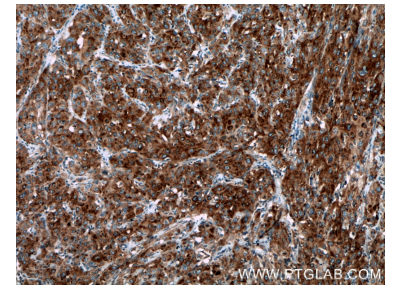
## Selected Validation Data



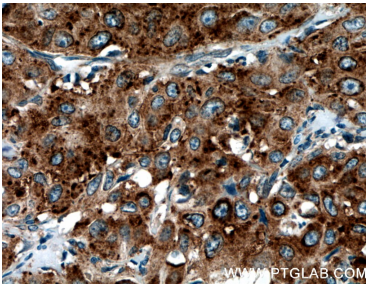
Jurkat cells were subjected to SDS PAGE followed by western blot with 12805-1-AP (Septin 6 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-Septin 6 (IP:12805-1-AP, 4 $\mu$ g; Detection:12805-1-AP 1:600) with rat brain tissue lysate 4000 $\mu$ g.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 12805-1-AP (Septin 6 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 12805-1-AP (SEPT6 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).