

For Research Use Only

Septin 6 Polyclonal antibody

Catalog Number: 12805-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

12805-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3521

GenBank Accession Number:

BC036240

GeneID (NCBI):

23157

UNIPROT ID:

Q14141

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 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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

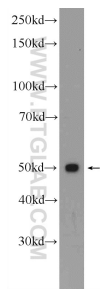
For technical support and original validation data for this product please contact:

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

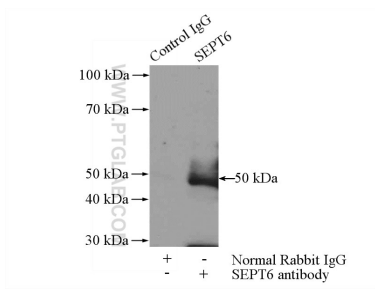
E: proteintech@ptglab.com
W: ptglab.com

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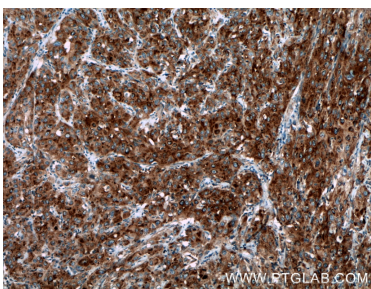
Selected Validation Data



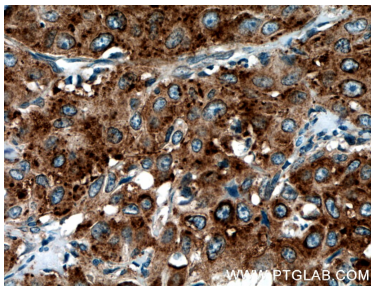
Jurkat cells were subjected to SDS PAGE followed by western blot with 12805-1-AP (Septin 6 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-Septin 6 (IP:12805-1-AP, 4ug; Detection:12805-1-AP 1:600) with rat brain tissue lysate 4000ug.



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).