

SEPT3 Polyclonal antibody

Catalog Number: 30146-1-AP

Basic Information

Catalog Number:

30146-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32890

GenBank Accession Number:

BC111779

GeneID (NCBI):

55964

UNIPROT ID:

Q9UH03

Full Name:

septin 3

Calculated MW:

358 aa, 41 kDa

Observed MW:

40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, FC (Intra), IP, ELISA

Species Specificity:

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 : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : mouse brain tissue, rat brain tissue

Background Information

SEPT3 is a developmentally regulated phosphoprotein. SEPT3 is a member of the septin GTPase family, which can form polymers and contribute to the cytoskeleton. SEPT3 is involved in neuronal autophagy. In the process of autophagy regulation, the level of SEPT3 will change according to the autophagy protein. SEPT3 is specifically expressed in the brain (PMID: 15485489; 35932293).

Storage

Storage:

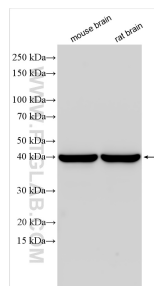
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

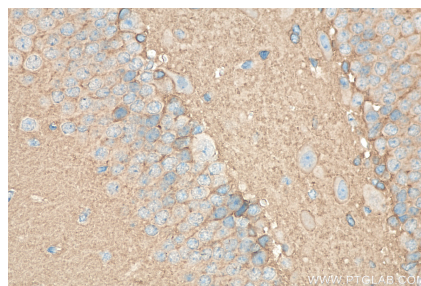
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

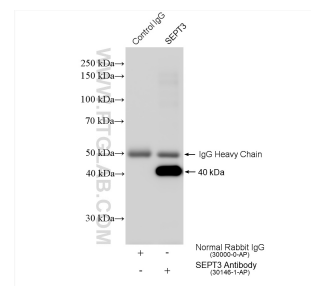
Selected Validation Data



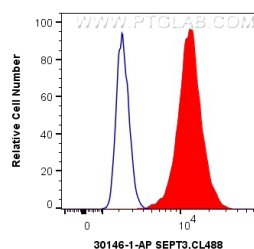
Various lysates were subjected to SDS PAGE followed by western blot with 30146-1-AP (SEPT3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 30146-1-AP (SEPT3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SEPT3 (IP:30146-1-AP, 4ug; Detection:30146-1-AP 1:2000) with mouse brain tissue lysate 1280 ug.



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human SEPT3 (30146-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).