

# SEPT4 Recombinant antibody

Catalog Number: 82284-1-RR

## Basic Information

<b>Catalog Number:</b> 82284-1-RR	<b>GenBank Accession Number:</b> BC018056	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 5414	<b>CloneNo.:</b> 508
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43236	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:400-1:1600
<b>Isotype:</b> IgG	<b>Full Name:</b> sepin 4	
<b>Immunogen Catalog Number:</b> AG3185	<b>Calculated MW:</b> 459 aa, 53 kDa <b>Observed MW:</b> 38-55 kDa	

## Applications

### Tested Applications:

WB, IHC, 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, mouse cerebellum tissue, rat brain tissue, rat cerebellum tissue

IHC : mouse brain tissue,

## Background Information

Spetin 4 is a member of the sepin family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Spetin 4 was widely expressed in brain and heart, also expressed in colorectal cancers and malignant melanomas. This protein has been implicated in diverse cellular functions, including cytokinesis, apoptosis, and tumor suppression (PMID:15737931). There are several isoforms of SEPTIN4, four of which were detected in the mouse brain and mouse cerebellum, 54 kDa, 52 kDa, 48 kDa and 44 kDa respectively (PMID: 23938054; PMID: 26657011).

## 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

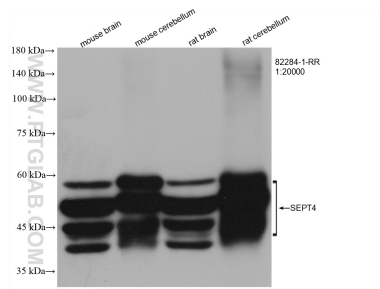
For technical support and original validation data for this product please contact:

T: 4006900926

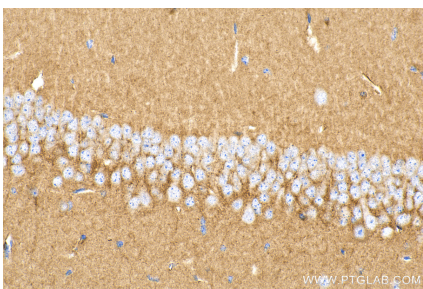
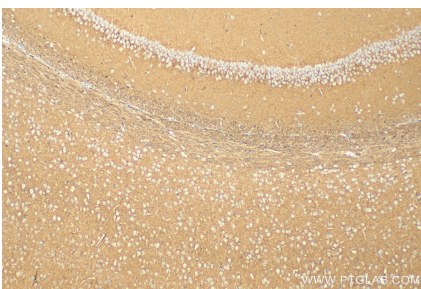
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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Selected Validation Data



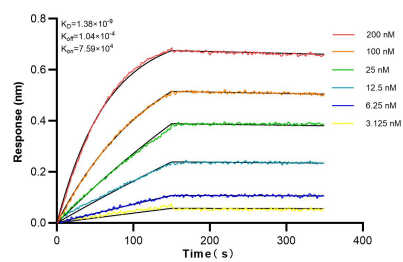
Various lysates were subjected to SDS PAGE followed by western blot with 82284-1-RR (SEPT4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82284-1-RR (SEPT4 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 82284-1-RR (SEPT4 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 82284-1-RR against Human SEPT4 were performed. The affinity constant is 1.38 nM.