

For Research Use Only

# Neuroserpin Recombinant antibody

Catalog Number: 85923-1-RR



## Basic Information

<b>Catalog Number:</b> 85923-1-RR	<b>GenBank Accession Number:</b> NM_005025.4	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 5274	<b>CloneNo.:</b> 250112E7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99574	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> serpin peptidase inhibitor, clade I (neuroserpin), member 1	
<b>Immunogen Catalog Number:</b> EG2819	<b>Calculated MW:</b> 46 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse, pig

**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** : fetal human brain tissue, mouse brain tissue, pig  
brain tissue, mouse cerebellum tissue

**IHC** : mouse brain tissue,

## Background Information

Neuroserpin is a member of the serpin family of serine protease inhibitors predominantly expressed in the nervous system, such as the cerebral cortex, hippocampus and the spinal cord. Neuroserpin exerts protective effects in neurons against excitotoxicity both in vitro and in vivo. Its proteolytic inhibitory activity is shown to protect neurons against damage caused by plasmin activation. Mice overexpressing neuroserpin exhibited loss of tPA activity in the brain. Overexpression of neuroserpin in primary neurons leads to increased dendritic arborization and altered dendritic spine shape.

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

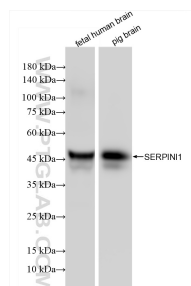
T: 4006900926

E: Proteintech-CN@ptglab.com

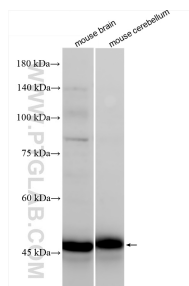
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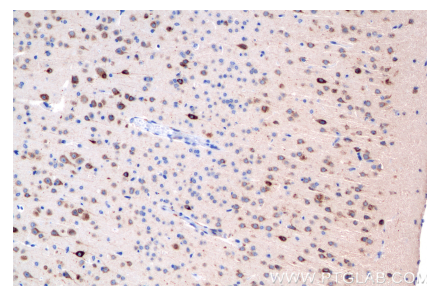
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85923-1-RR (SERPIN1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 85923-1-RR (Neuroserpin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 85923-1-RR (Neuroserpin antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).