

For Research Use Only

# SRR Polyclonal antibody

Catalog Number: 17955-1-AP

2 Publications



## Basic Information

### Catalog Number:

17955-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG12449

### GenBank Accession Number:

BC074728

### GeneID (NCBI):

63826

### UNIPROT ID:

Q9GZT4

### Full Name:

serine racemase

### Calculated MW:

340 aa, 37 kDa

### Observed MW:

37 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

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 : mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human kidney tissue, human heart tissue

## Background Information

SRR(serine racemase) is a 37 kDa protein and belongs to the serine/threonine dehydratase family. It plays a role in neuronal activity and a potential biological role in the regulation of N-methyl-D-aspartate (NMDA) receptor activity in these peripheral organs as well. SRR catalyzes the racemization between L- and D-serine.

## Notable Publications

Author	Pubmed ID	Journal	Application
Matthew P Baier	35760531	J Neurosci	WB
Samia Afzal	38849086	Prog Neuropsychopharmacol Biol Psychiatry	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

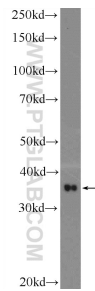
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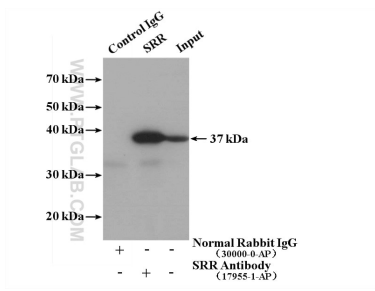
E: proteintech@ptglab.com  
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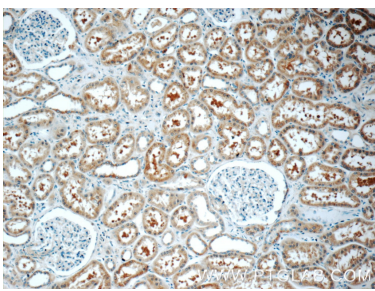
Selected Validation Data



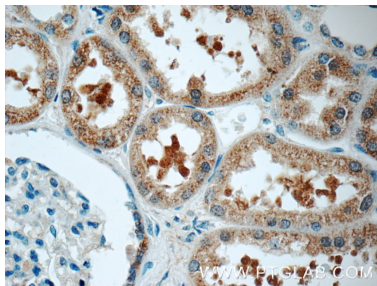
mouse brain tissue were subjected to SDS PAGE followed by western blot with 17955-1-AP (SRR Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-SRR (IP:17955-1-AP, 4ug; Detection:17955-1-AP 1:600) with mouse brain tissue lysate 4000 ug.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17955-1-AP (SRR Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17955-1-AP (SRR Antibody) at dilution of 1:50 (under 40x lens).