

For Research Use Only

# SYNGR1 Polyclonal antibody

Catalog Number: 29734-1-AP



## Basic Information

Catalog Number:

29734-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31214

GenBank Accession Number:

BC000731

GeneID (NCBI):

9145

UNIPROT ID:

O43759

Full Name:

synaptogyrin 1

Calculated MW:

25 kDa

Observed MW:

28-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:200-1:800

## 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 : unboiled rat brain tissue, mouse brain tissue, rat brain tissue

IHC : mouse brain tissue, rat brain tissue

## Background Information

Synaptogyrins are one of the most abundant vesicle components and are involved in the regulation of neurotransmitter release and synaptic plasticity. Synaptogyrins comprise a family of tyrosine-phosphorylated proteins with three isoforms: two neuronal forms (synaptogyrin-1 and -3) and one ubiquitous form (synaptogyrin-2). The synaptogyrin 1 (SYNGR1) can act as a regulator of Ca<sup>2+</sup>-dependent exocytosis. SYNGR1 protein mutations are associated with schizophrenia and are considered to be positional candidate genes for schizophrenia. (PMID: 10383386; 10595519; 14755516; 14732601; 17049558)

## 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:

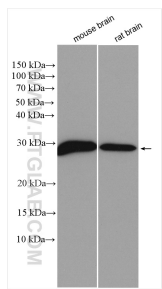
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

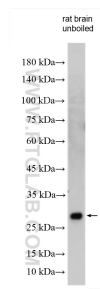
W: [ptgcn.com](http://ptgcn.com)

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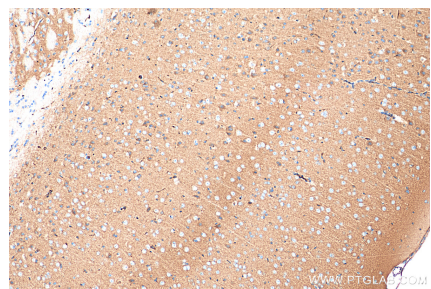
Selected Validation Data



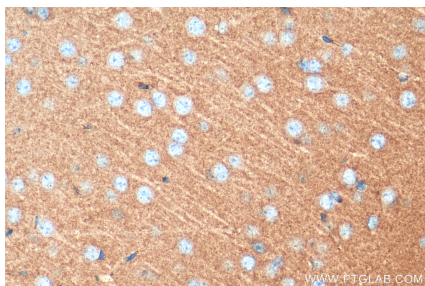
Various lysates were subjected to SDS PAGE followed by western blot with 29734-1-AP (SYNGR1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



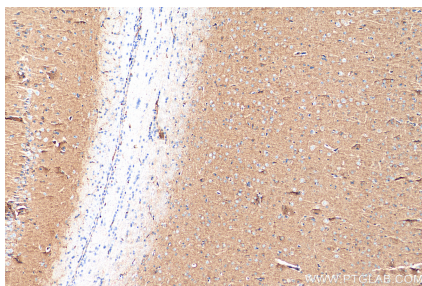
Unboiled rat brain tissue was subjected to SDS PAGE followed by western blot with 29734-1-AP (SYNGR1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



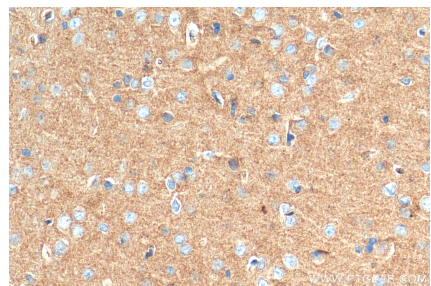
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29734-1-AP (SYNGR1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29734-1-AP (SYNGR1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 29734-1-AP (SYNGR1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 29734-1-AP (SYNGR1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).