

For Research Use Only

# SYNGR1 Polyclonal antibody, PBS Only

Catalog Number: 29734-1-PBS



## Basic Information

**Catalog Number:**

29734-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## 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 -80°C.

**Storage Buffer:**

PBS Only

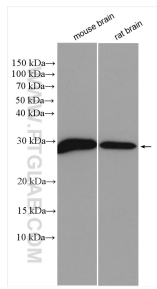
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

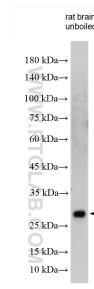
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

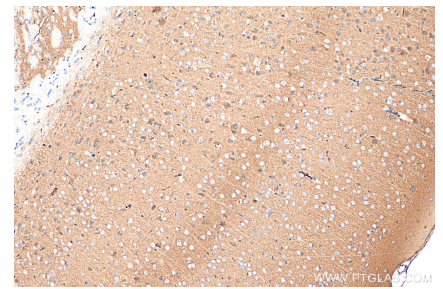
## Selected Validation Data



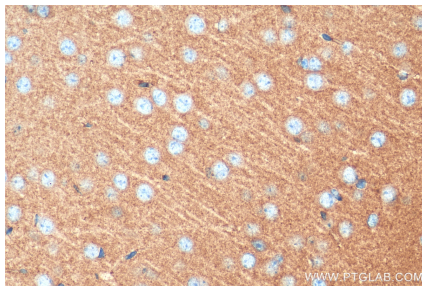
Various lysates were subjected to SDS PAGE followed by western blot with 29734-1-AP (SYNGR1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29734-1-PBS in a different storage buffer formulation.



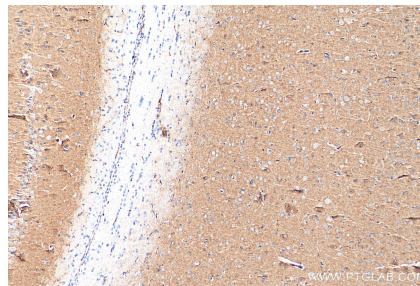
Unboiled rat brain tissue was subjected to SDS PAGE followed by western blot with 29734-1-AP (SYNGR1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29734-1-PBS in a different storage buffer formulation.



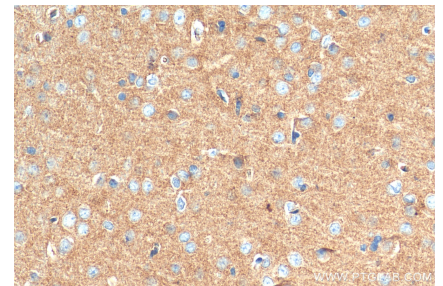
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29734-1-AP (SYNGR1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29734-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29734-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29734-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 29734-1-PBS in a different storage buffer formulation.