

For Research Use Only

SYNGR1 Polyclonal antibody

Catalog Number: 29734-1-AP



Basic Information

Catalog Number: 29734-1-AP	GenBank Accession Number: BC000731	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop;	GeneID (NCBI): 9145	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: O43759	
Isotype: IgG	Full Name: synaptogyrin 1	
Immunogen Catalog Number: AG31214	Calculated MW: 25 kDa	
	Observed MW: 28-30 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : unboiled rat brain tissue, mouse brain tissue, rat brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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 Ca²⁺-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

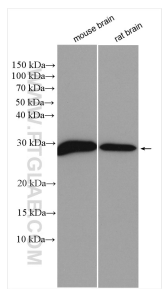
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

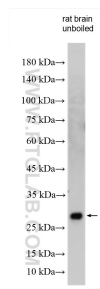
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

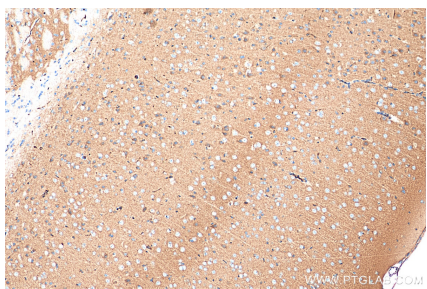
Selected Validation Data



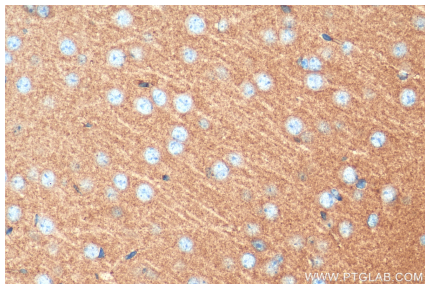
Various lysates were subjected to SDS PAGE followed by western blot with 29734-1-AP (SYNGR1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



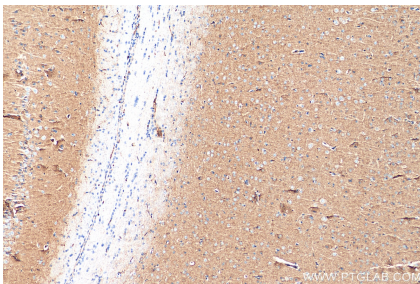
Unboiled rat brain tissue was subjected to SDS PAGE followed by western blot with 29734-1-AP (SYNGR1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



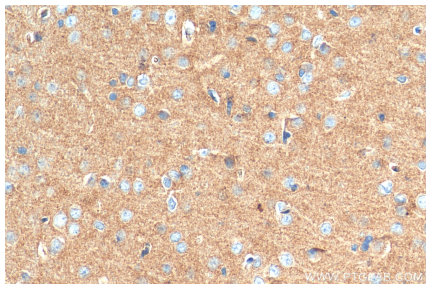
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 29734-1-AP (SYNGR1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).