

For Research Use Only

SYNGR1 Polyclonal antibody

Catalog Number: 10432-1-AP



Basic Information

Catalog Number:

10432-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0685

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 1:500-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, rat, pig

Positive Controls:

WB : rat brain tissue, pig brain

IF/ICC : A431 cells,

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

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

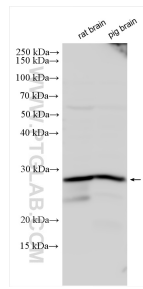
T: 4006900926

E: Proteintech-CN@ptglab.com

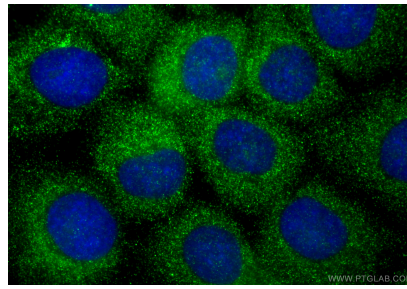
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10432-1-AP (SYNGR1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using SYNGR1 antibody (10432-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).