

For Research Use Only

SYNGR1 Polyclonal antibody

Catalog Number: 10432-1-AP



Basic Information

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|---|--|---|
| Catalog Number: 10432-1-AP | GenBank Accession Number: BC000731 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 600 ug/ml by Nanodrop; | GeneID (NCBI): 9145 | Recommended Dilutions: WB 1:500-1:1000 IF/ICC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: O43759 | |
| Isotype: IgG | Full Name: synaptogyrin 1 | |
| Immunogen Catalog Number: AG0685 | Calculated MW: 25 kDa | |
| | Observed MW: 28-30 kDa | |

Applications

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| Tested Applications: WB, IF/ICC, ELISA | Positive Controls: |
| Species Specificity: human, rat, pig | 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

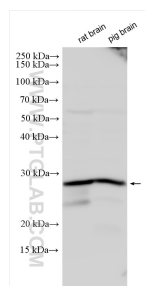
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

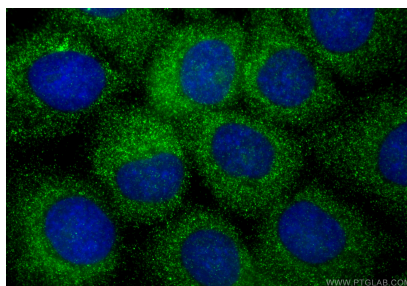
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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).