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SYNGR2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16618a

Specification

SYNGR2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O43760
Other Accession	NP_004701.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**24810**
Antigen Region	**28-56**

SYNGR2 Antibody (N-term) - Additional Information

Gene ID 9144

Other Names
Synaptogyrin-2, Cellugyrin, SYNGR2

Target/Specificity
This SYNGR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 28-56 amino acids from the N-terminal region of human SYNGR2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SYNGR2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SYNGR2 Antibody (N-term) - Protein Information

Name SYNGR2 (HGNC:11499)

Function May play a role in regulated exocytosis. In neuronal cells, modulates the localization of synaptophysin/SYP into synaptic-like microvesicles and may therefore play a role in the formation

and/or the maturation of this vesicles. May also play a role in GLUT4 storage and transport to the plasma membrane.

Cellular Location
Cytoplasmic vesicle membrane {ECO:0000250|UniProtKB:O54980}; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane {ECO:0000250|UniProtKB:O54980}; Multi-pass membrane protein. Note=Localizes to cytoplasmic vesicles associated with the recycling endosomes. {ECO:0000250|UniProtKB:O54980}

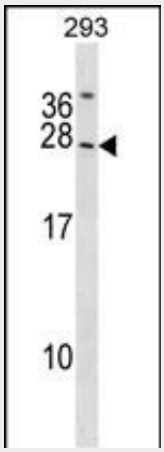
Tissue Location
Ubiquitous; low expression in brain.

SYNGR2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SYNGR2 Antibody (N-term) - Images



SYNGR2 Antibody (N-term) (Cat. #AP16618a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the SYNGR2 antibody detected the SYNGR2 protein (arrow).

SYNGR2 Antibody (N-term) - Background

This gene encodes an integral membrane protein containing four transmembrane regions and a C-terminal cytoplasmic tail that is tyrosine phosphorylated. The exact function of this protein is unclear, but studies of a similar rat protein suggest that it may play a role in regulating membrane traffic in non-neuronal cells. The gene belongs to the synaptogyrin gene family. [provided by RefSeq].

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SYNGR2 Antibody (N-term) - References

Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)
Kedra, D., et al. Hum. Genet. 103(2):131-141(1998)
Janz, R., et al. J. Biol. Chem. 273(5):2851-2857(1998)