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Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody

Peptide-affinity purified goat antibody
Catalog # AF2055a

Specification

Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody - Product Information

Application	**WB**
Primary Accession	O43760
Other Accession	NP_004701, 9144
Reactivity	**Human**
Predicted	**Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**24810**

Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody - Additional Information

Gene ID 9144

Other Names
Synaptogyrin-2, Cellugyrin, SYNGR2

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody - 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.

Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody - 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

Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody - Images

AF2055a (0.3 µg/ml) staining of Human Muscle lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody - 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.

Goat Anti-Synaptogyrin 2 / Cellugyrin Antibody - References

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