10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SYNGR2 / Synaptogyrin 2 Antibody (N-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS13806

Specification

SYNGR2 / Synaptogyrin 2 Antibody (N-Terminus) - Product Information

Application	**IF, WB, IHC**
Primary Accession	O43760
Reactivity	**Human, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**25kDa KDa**

SYNGR2 / Synaptogyrin 2 Antibody (N-Terminus) - Additional Information

Gene ID 9144

Other Names
Synaptogyrin-2, Cellugyrin, SYNGR2

Target/Specificity
Human SYNGR2

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
SYNGR2 / Synaptogyrin 2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SYNGR2 / Synaptogyrin 2 Antibody (N-Terminus) - 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.

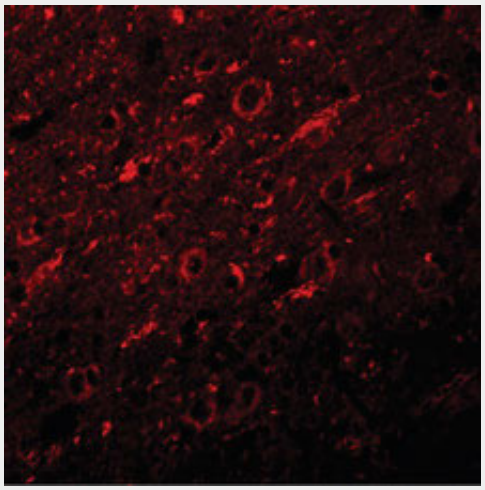
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SYNGR2 / Synaptogyrin 2 Antibody (N-Terminus) - Protocols

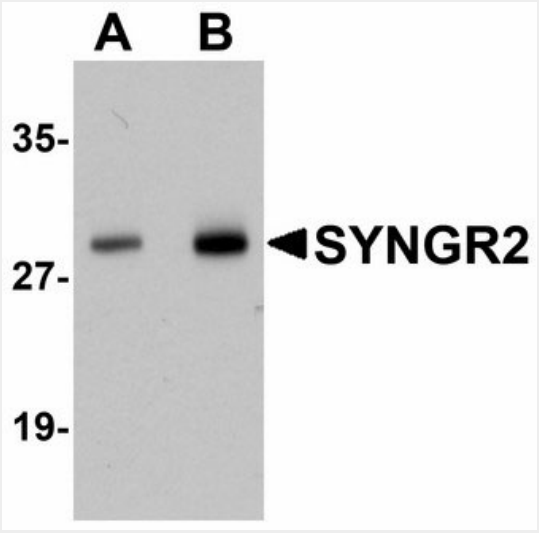
Provided below are standard protocols that you may find useful for product applications.

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

SYNGR2 / Synaptogyrin 2 Antibody (N-Terminus) - Images

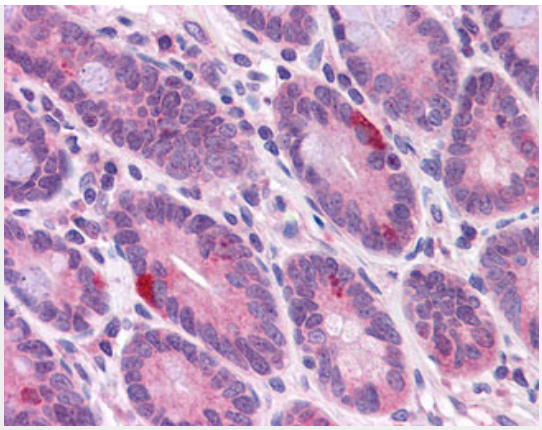


Immunofluorescence of SYNGR2 in rat brain tissue with SYNGR2 antibody at 20 ug/ml.



Western blot of SYNGR2 in human lung tissue lysate with SYNGR2 antibody at (A) 1 and (B) 2 ug/ml.

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Anti-SYNGR2 / Synaptogyrin 2 antibody IHC of human small intestine.

SYNGR2 / Synaptogyrin 2 Antibody (N-Terminus) - References

Kedra D.,et al.Hum. Genet. 103:131-141(1998).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Bienvenut W.V.,et al.Submitted (FEB-2005) to UniProtKB.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).