

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13807**Specification**

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus) - Product Information

Application	IF, WB
Primary Accession	O43761
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus) - Additional Information**Gene ID** 9143**Other Names**

Synaptogyrin-3, SYNGR3

Target/Specificity

Human SYNGR3

Reconstitution & Storage

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

Precautions

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus) - Protein Information**Name** SYNGR3 ([HGNC:11501](#))**Function**

May play a role in regulated exocytosis. May indirectly regulate the activity of the plasma membrane dopamine transporter SLC6A3 and thereby regulate dopamine transport back from the synaptic cleft into the presynaptic terminal.

Cellular LocationCytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane
{ECO:0000250|UniProtKB:Q8R191}; Multi-pass membrane protein. Synapse
{ECO:0000250|UniProtKB:Q8R191} Note=Found at the neuromuscular synapses
{ECO:0000250|UniProtKB:Q8R191}**Tissue Location**

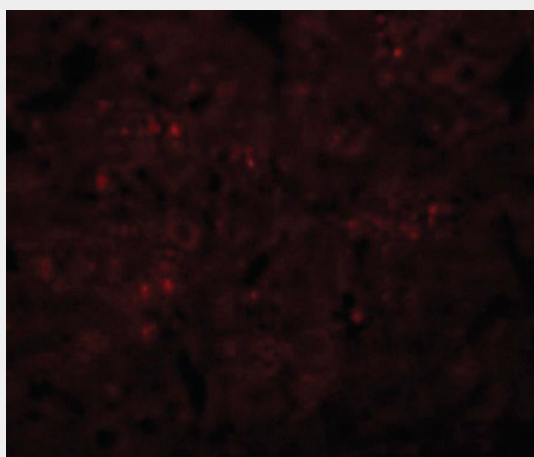
Expressed in brain and placenta.

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus) - Protocols

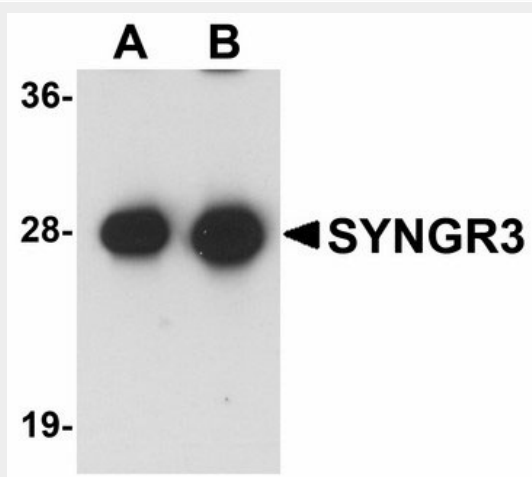
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus) - Images



Immunofluorescence of SYNGR3 in Rat Brain cells with SYNGR3 antibody at 20 ug/ml.



Western blot of SYNGR3 in mouse brain tissue lysate with SYNGR3 antibody at (A) 1 and (B) 2 ug/ml .

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus) - Background

Involved in the positive regulation of dopamine transporter activity. Probably facilitates the physical and functional interactions of the transporter with the dopamine vesicular storage system, allowing a more efficient loading of the vesicles with extracellular dopamine after release (By

similarity).

SYNGR3 / Synaptogyrin 3 Antibody (C-Terminus) - References

Kedra D.,et al.Hum. Genet. 103:131-141(1998).

Kedra D.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Bienvenut W.V.,et al.Mol. Cell. Proteomics 11:M111.015131-M111.015131(2012).