

## Product datasheet for **TA306906**

### Synaptogyrin 3 (SYNGR3) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SYNGR3 antibody was raised against a 19 amino acid peptide from near the carboxy terminus of human SYNGR3.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	synaptogyrin 3
Database Link:	<a href="#">NP_004200</a> <a href="#">Entrez Gene 20974 Mouse</a> <a href="#">Entrez Gene 302975 Rat</a> <a href="#">Entrez Gene 9143 Human</a> <a href="#">O43761</a>



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**Background:**

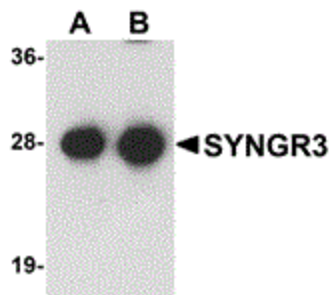
Synaptogyrins comprise a family of tyrosine-phosphorylated membrane proteins with two neuronal (SYNGR1 and SYNGR3) and one ubiquitous (SYNGR2) members. SYNGR1 and -3 are synaptic vesicle proteins, residing in some cases on the same synaptic vesicle, and are thought to be involved in the regulation of neurotransmitter release. SYNGR2, by contrast, is absent from synaptic vesicles. The role and localization of a fourth synaptogyrin, SYNGR4, is unclear. SYNGR3 is predominantly expressed in brain and placenta. SYNGR3 is involved in the positive regulation of dopamine transporter activity and 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.

**Synonyms:**

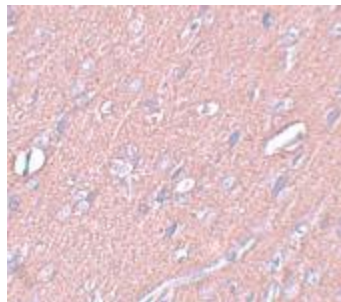
MGC20003

**Protein Families:**

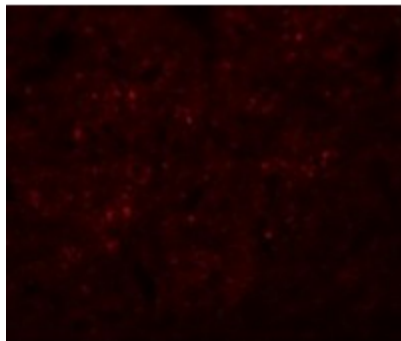
Transmembrane

**Product images:**

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



Immunohistochemistry of SYNGR3 in rat brain tissue with SYNGR3 antibody at 2.5 ug/mL.



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