

## Product datasheet for **TA306904**

### Synaptogyrin 1 (SYNGR1) Rabbit Polyclonal Antibody

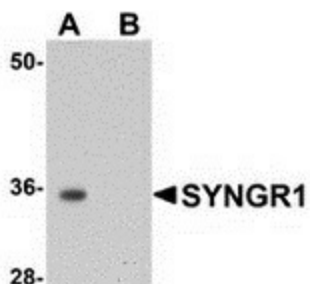
#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SYNGR1 antibody was raised against a 16 amino acid peptide from near the center of human SYNGR1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	synaptogyrin 1
Database Link:	<a href="#">CAA05322</a> <a href="#">Entrez Gene 9145 Human</a> <a href="#">O43759</a>
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. The gene for SYNGR1 is located at chromosome 22q13, a region linked to schizophrenia; however, there is mixed evidence suggesting that mutations in SYNGR1 might be associated with schizophrenia.
Synonyms:	MGC1939

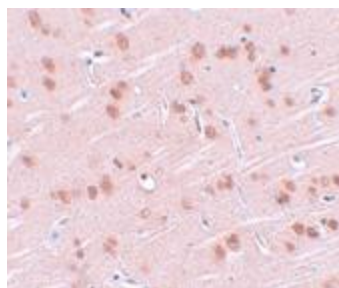


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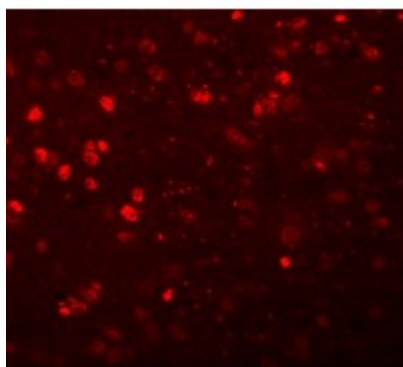
## Product images:



Western blot analysis of SYNGR1 in rat brain tissue lysate with SYNGR1 antibody at 1  $\mu\text{g}/\text{mL}$  in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of SYNGR1 in rat brain tissue with SYNGR1 antibody at 2.5  $\mu\text{g}/\text{mL}$ .



Immunofluorescence of SYNGR1 in rat brain tissue with SYNGR1 antibody at 20  $\mu\text{g}/\text{mL}$ .