

**SYNGR4 Antibody**  
**Catalog # ASC11049****Specification**

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**SYNGR4 Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">O95473</a>
Other Accession	<a href="#">CAA09754</a> , <a href="#">4128019</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	SYNGR4 antibody can be used for detection of SYNGR4 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

**SYNGR4 Antibody - Additional Information**

Gene ID	23546
<b>Target/Specificity</b>	
SYNGR4;	

**Reconstitution & Storage**

SYNGR4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions**

SYNGR4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**SYNGR4 Antibody - Protein Information**

**Name** SYNGR4

**Cellular Location**

Membrane; Multi-pass membrane protein.

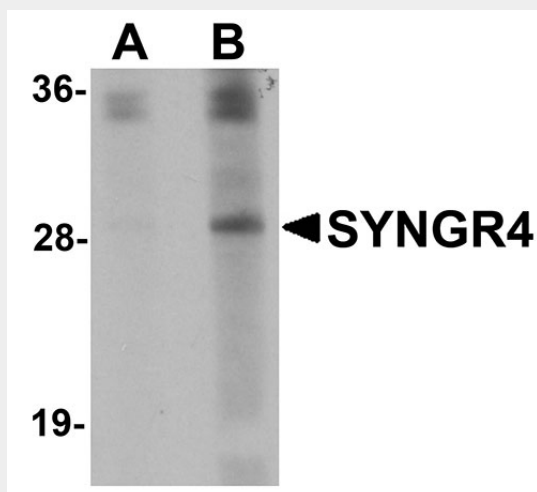
**SYNGR4 Antibody - Protocols**

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

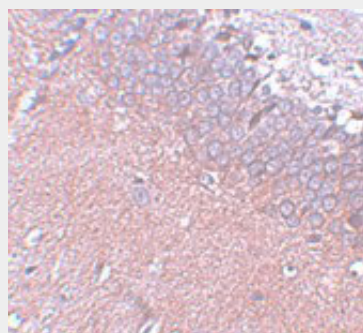
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

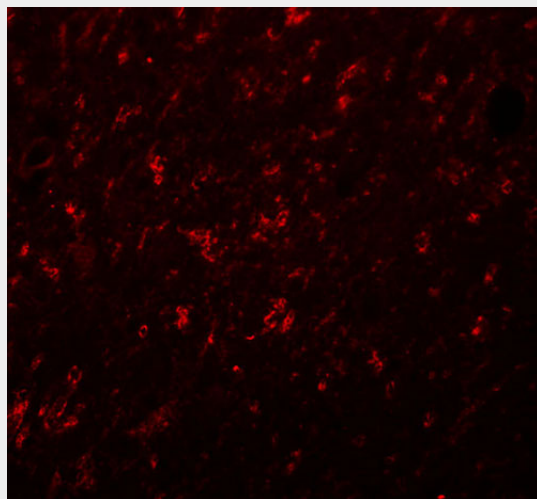
### SYNGR4 Antibody - Images



Western blot analysis of SYNGR4 in K562 cell lysate with SYNGR4 antibody at (A) 1 and (B) 2  $\mu$ g/mL.



Immunohistochemistry of SYNGR4 in rat brain tissue with SYNGR4 antibody at 5  $\mu$ g/mL.



Immunofluorescence of SYNGR4 in rat brain tissue with SYNGR4 antibody at 20 µg/mL.

### **SYNGR4 Antibody - Background**

**SYNGR4 Antibody:** 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. SYNGR3 is predominantly expressed in brain and placenta. The role and localization of a fourth synaptogyrin, SYNGR4, is unclear.

### **SYNGR4 Antibody - References**

Belizaire R, Komanduri C, Wooten K, et al. Characterization of synaptogyrin 3 as a new synaptic vesicle protein. J. Comp. Neurol.2004; 470:266-81.

Kedra D, Pan HQ, Seroussi E, et al. Characterization of the human synaptogyrin gene family. Hum. Genet.1998; 103:131-41.