

SYNGR4 Antibody

Catalog # ASC11049

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	O95473
Other Accession	CAA09754 , 4128019
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	25820
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SYNGR4 antibody can be used for detection of SYNGR4 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	23546
Other Names	Synaptogyrin-4, SYNGR4
Target/Specificity	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.

Protein Information

Name	SYNGR4
Cellular Location	Membrane; Multi-pass membrane protein.

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

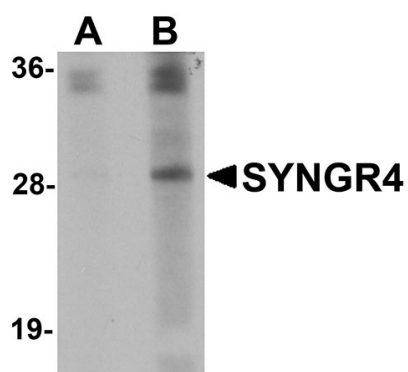
predominantly expressed in brain and placenta. The role and localization of a fourth synaptogyrin, SYNGR4, is unclear.

References

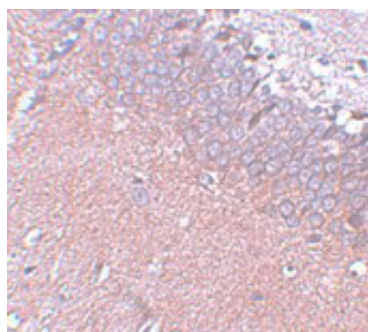
Belizaire R, Komanduri C, Wooten K, et al. Characterization of synaptogyrin 3 as a new synaptic vesicle protein. *J. Comp. Neurol.*2004; 470:266-81.

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

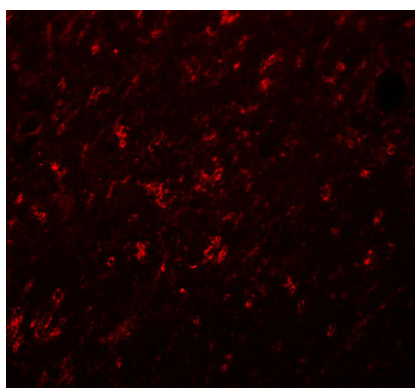
Images



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



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



Immunofluorescence of SYNGR4 in rat brain tissue with SYNGR4 antibody at 20 $\mu\text{g/mL}$.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.