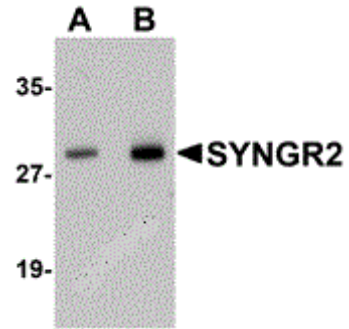


AP30846PU-N**Polyclonal Antibody to SYNGR2 - Aff - Purified**

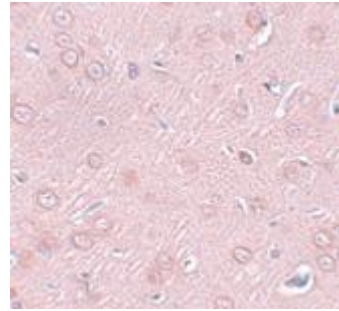
Alternate names:	Synaptogyrin-2
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Synaptogyrins comprise a family of tyrosine-phosphorylated membrane proteins with two neuronal (SYNGR1 and SYNGR3) and one ubiquitous (SYNGR2) members. SYNGR1 and -3 are synaptic vesicle proteins, residing in some cases 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. The exact function of SYNGR2 is unknown, but studies suggest that it may play a role in regulating membrane traffic in non-neuronal cells.
Uniprot ID:	Q3KQZ2
NCBI:	AAI05993
Host / Isotype:	Rabbit / IgG
Immunogen:	SYNGR2 antibody was raised against a 17 amino acid peptide from near the amino terminus of human SYNGR2.
Format:	State: Liquid Ig fraction Purification: Peptide affinity chromatography Buffer System: PBS containing 0.02% sodium azide
Applications:	ELISA. Western blot. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Species Reactivity:	Tested: Human, rat
Add. Information:	Blocking peptide available: AP30846CP-N
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Belizaire R, Komanduri C, Wooten K, Chen M, Thaller C, Janz R. Characterization of synaptogyrin 3 as a new synaptic vesicle protein. J Comp Neurol. 2004 Mar 8;470(3):266-81. PubMed PMID: 14755516. 2. Kedra D, Pan HQ, Seroussi E, Fransson I, Guilbaud C, Collins JE, et al. Characterization of the human synaptogyrin gene family. Hum Genet. 1998 Aug;103(2):131-41. PubMed PMID: 9760194.

Pictures:

Western blot analysis of SYNGR2 in human lung tissue lysate with SYNGR2 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of SYNGR2 in rat brain tissue with SYNGR2 antibody at 2.5 ug/mL.



Immunofluorescence of SYNGR2 in rat brain tissue with SYNGR2 antibody at 20 ug/mL.

