

Datasheet for ABIN500847

anti-Synaptogyrin 3 antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mg
Target:	Synaptogyrin 3 (SYNGR3)
Binding Specificity:	C-Term
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synaptogyrin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	SYNGR3 antibody was raised against a 19 amino acid peptide from near the carboxy terminus of human SYNGR3.
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	Synaptogyrin 3 (SYNGR3)
Alternative Name:	Synaptogyrin-3 / SYNGR3 (SYNGR3 Products)

Target Details

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.

Gene ID: 9143

NCBI Accession: [NP_004200](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % sodium azide

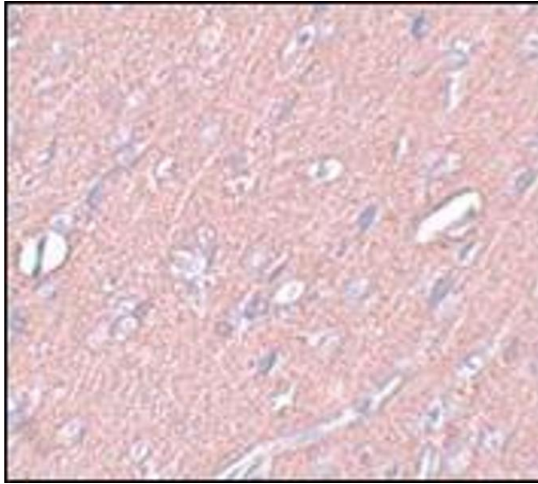
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of SYNGR3 in rat brain tissue with this product at 2.5 µg/ml.