



# SYN3 Polyclonal Antibody

<b>Catalog No</b>	BYab-06251
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	SYN3
<b>Protein Name</b>	Synapsin-3 (Synapsin III)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein. AA range 530-580
<b>Specificity</b>	SYN3 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	63kD
<b>Cell Pathway</b>	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Peripheral membrane protein localized to the cytoplasmic surface of synaptic vesicles.
<b>Tissue Specificity</b>	Neuron specific. Detected predominantly in brain.
<b>Function</b>	function:May be involved in the regulation of neurotransmitter release and synaptogenesis.,miscellaneous:Regulated by calcium. Calcium inhibits ATP binding to the C-domain.,similarity:Belongs to the synapsin family.,subcellular location:Peripheral membrane protein localized to the cytoplasmic surface of synaptic vesicles.,subunit:Interacts with CAPON.,tissue specificity:Neuron specific. Detected predominantly in brain.,
<b>Background</b>	This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and

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they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. The protein encoded by this gene shares the synapsin family domain model, with domains A, C, and E exhibiting the highest degree of conservation. The protein contains a unique domain J, located between domains C and E. Based on this gene's localization to 22q12.3, a possible schizophrenia susceptibility locus, and the established neurobiological roles of the synapsins, this family member may represent a candidate gene for schizophrenia. The TIMP3 gene is located within an intron of this gene and is transcribed in the opposite directi

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**