

Immunotag™ SYN3 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1381
Product Description	Immunotag™ SYN3 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SYN3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	SYN3 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	SYN3
Accession No.	O14994 Q8JZP2 O70441

Antibody Specification

Description	synapsin III(SYN3) Homo sapiens 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 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 direction.
Protein Expression	Brain,
Subcellular Localization	synaptic vesicle,postsynaptic density,cell junction,synaptic vesicle membrane,
Protein Function	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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.