

Rabbit anti-Human SYN3 Polyclonal Antibody | anti-SYN3 antibody

SYN3 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285503	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

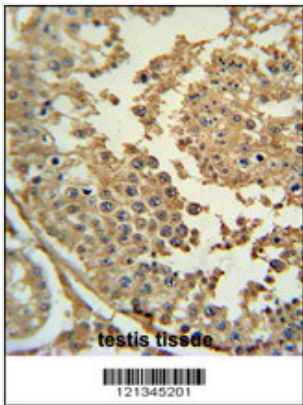
PRODUCT SYNONYMS

SYN3; Polyclonal Antibody; SYN3 Antibody (Center); Synapsin-3; Synapsin III; anti-SYN3 antibody

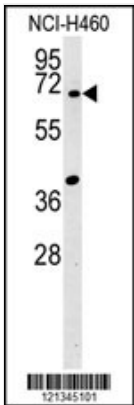
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SYN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 363-388 amino acids from the Central region of human SYN3.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	363-388
Sequence Length	580
Applicable Applications for anti-SYN3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Function	May be involved in the regulation of neurotransmitter release and synaptogenesis.
Cellular Location	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein; Cytoplasmic side Note=Peripheral membrane protein localized to the cytoplasmic surface of synaptic vesicles.
Tissue Location	Neuron specific. Detected predominantly in brain.
Preparation and Storage	Maintain refrigerated at 2-8°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
SYN3 Antibody (Center) (AAA285503) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SYN3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
SYN3 Antibody (Center) (AAA285503) western blot analysis in NCI-H460 cell line lysates (15ug/lane).This demonstrates the SYN3 antibody detected the SYN3 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SYN3 antibody	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.
Product Categories/Family for anti-SYN3 antibody	Neuroscience
References	Tsai, M.T., et al. Am. J. Med. Genet. 114(1):79-83(2002) Kao, H.T., et al. J. Exp. Zool. 285(4):360-377(1999) Porton, B., et al. J. Neurochem. 73(6):2266-2271(1999) Kao, H.T., et al. Proc. Natl. Acad. Sci. U.S.A. 95(8):4667-4672(1998)

NCBI AND UNIPROT INFORMATION

NCBI GI #	209413752
NCBI GeneID	8224
NCBI Accession #	NP_003481.3; NP_598344.2
NCBI GenBank Nucleotide #	NM_003490.3
UniProt Accession #	O14994; B1B1F9
Molecular Weight	63303
NCBI Official Full Name	synapsin-3 isoform IIIa
NCBI Official Synonym Full Names	synapsin III
NCBI Official Symbol	SYN3
NCBI Protein Information	synapsin-3
UniProt Protein Name	Synapsin-3

UniProt Gene Name	SYN3
UniProt Entry Name	SYN3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/syn3-antibody-immunohistochemistry-western-blot-elisa/285503>