

Datasheet for ABIN651941

anti-Synapsin III antibody (AA 363-388)**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Synapsin III (SYN3)
Binding Specificity:	AA 363-388
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synapsin III antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB21345
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Synapsin III (SYN3)
Alternative Name:	SYN3 (SYN3 Products)
Background:	This gene is a member of the synapsin gene family. Synapsins encode neuronal

Target Details

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.

Molecular Weight: 63303

Gene ID: 8224

NCBI Accession: [NP_003481](#), [NP_598344](#)

UniProt: [O14994](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

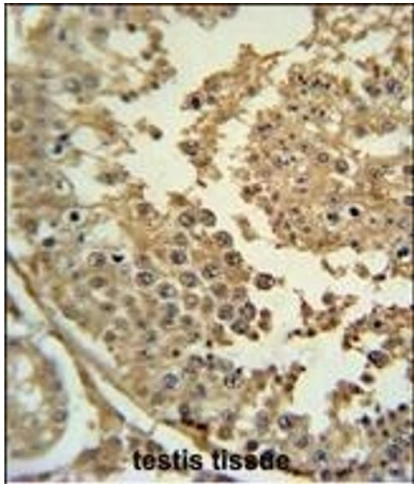
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

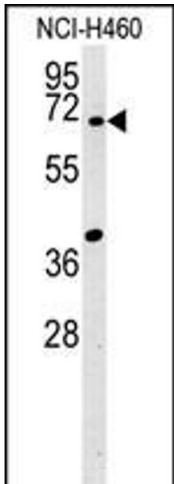
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. SYN3 Antibody (Center) (ABIN651941 and ABIN2840467) 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.



Western Blotting

Image 2. SYN3 Antibody (Center) (ABIN651941 and ABIN2840467) western blot analysis in NCI- cell line lysates (15 µg/lane). This demonstrates the SYN3 antibody detected the SYN3 protein (arrow).