



Product name:	Synapsin I Rabbit Monoclonal Antibody
Cat number:	MABN87652
Conjugate:	Unconjugated
Size:	100ul
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide of human Synapsin I
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,IHC 1:200-1:1000,ICC/IF 1:200-1:500,FC 1:20-1:50,IP 1:20-1:50
Molecular Weight:	77 kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Synonyms:	SYNI; SYN1a; SYN1b
Source:	Rabbit
Background:	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. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regulation of this protein in the nerve terminal. Mutations in this gene may be associated with X-linked disorders with primary neuronal degeneration such as Rett syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

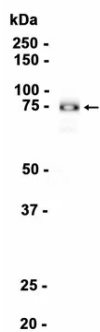
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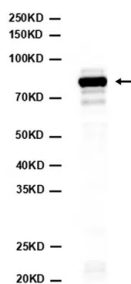


Mouse brain



Western blot analysis of extracts from
Mouse brain tissue using Synapsin I
Rabbit Monoclonal Antibody at 1:1000.

Rat brain



Western blot analysis of extracts from
Rat brain tissue using AMRe87652 at
1:1000.

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