

Anti-Synapsin 1 Antibody (4B894)

Product Details

Ig Type:	IgG1, Kappa
Reactivity:	Human,Rat (predicted:Mouse)
Molecular Weight:	Theoretical: 85 kDa.
Clone:	4B894

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Synapsin 1) Monoclonal Antibody, Unconjugated (TMAB-13306) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	2. Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Synapsin 1) Monoclonal Antibody, Unconjugated (TMAB-13306) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	3. Paraformaldehyde-fixed, paraffin embedded (human cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Synapsin 1) Monoclonal Antibody, Unconjugated (TMAB-13306) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	4. Paraformaldehyde-fixed, paraffin embedded (Human left parietal lobe); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (Synapsin 1) Monoclonal Antibody, Unconjugated (TMAB-13306) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:50-200; IHC-Fr: 1:50-200; IF: 1:50-200

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human Synapsin I
Antigen Species: Human
Gene ID: 6853
Uniprot ID: P17600

Research 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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