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Synapsin-1 Rabbit mAb

Catalog No.: A24122 Recombinant

Basic Information

Observed MW
Refer to figures

Calculated MW
74kDa

Category
Primary antibody

Applications
ELISA,IHC-P,IF/ICC

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC65381

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.

Recommended Dilutions

IHC-P	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
6853

Swiss Prot
P17600

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 401-500 of human Synapsin-1 (NP_008881.2).

Synonyms
SYNI; EPILX; MRX50; SYN1a; SYN1b; EPILX1; Synapsin-1

Contact

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Product Information

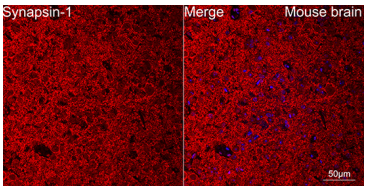
Source
Rabbit

Isotype
IgG

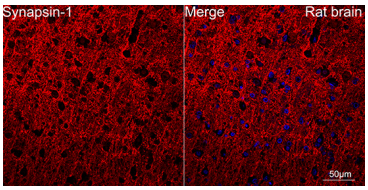
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



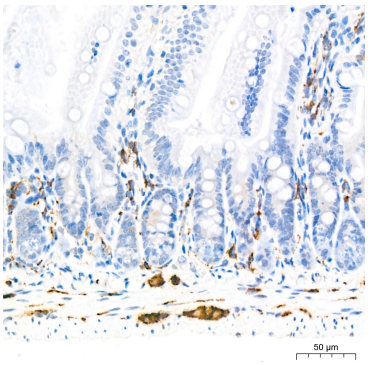
Confocal imaging of paraffin-embedded Mouse brain using Synapsin-1 Rabbit mAb (A24122,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.



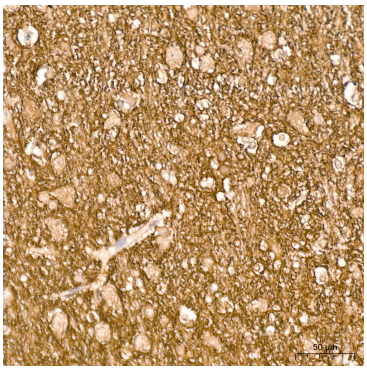
Confocal imaging of paraffin-embedded Rat brain using Synapsin-1 Rabbit mAb (A24122,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

Immunohistochemistry analysis of Synapsin-1 in paraffin-embedded human brain tissue using Synapsin-1 Rabbit mAb (A24122) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

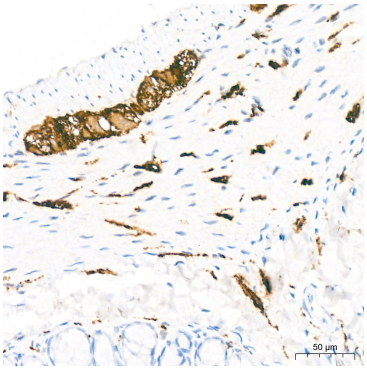
Immunohistochemistry analysis of Synapsin-1 in paraffin-embedded mouse brain tissue using Synapsin-1 Rabbit mAb (A24122) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Synapsin-1 in paraffin-embedded mouse colon tissue using Synapsin-1 Rabbit mAb (A24122) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Synapsin-1 in paraffin-embedded rat brain tissue using Synapsin-1 Rabbit mAb (A24122) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Synapsin-1 in paraffin-embedded rat colon tissue using Synapsin-1 Rabbit mAb (A24122) at a dilution of 1:800 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.