

Rabbit anti-Human Synapsin II Monoclonal Antibody | anti-SYN2 antibody

Synapsin II Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282732	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Synapsin II; Monoclonal Antibody; Synapsin II Rabbit mAb; SYNII; anti-SYN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	HLIIGMQYAG LPSINSLESI YNFCDKPWVF AQLVAIYKTL GGEKFPLIEQ TYYPNHKEML TLPTFPVVVK IGHAHSGMGK VKVENHYDFQ DIASVVALTQ T
Applicable Applications for anti-SYN2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 200-300 of human Synapsin II (Q92777).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



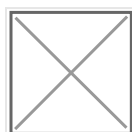
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Rat brain using Synapsin II Rabbit mAb (AAA282732, dilution 1:100) 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.



ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse brain using Synapsin II Rabbit mAb (AAA282732, dilution 1:100) 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.



WB (Western Blot)

Western blot analysis of lysates from 293T cells, using Synapsin II Rabbit mAb (AAA282732) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SYN2 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. This member of the synapsin family encodes a neuron-specific phosphoprotein that selectively binds to small synaptic vesicles in the presynaptic nerve terminal. Polymorphisms in this gene are associated with abnormal presynaptic function and related neuronal disorders, including autism, epilepsy, bipolar disorder and schizophrenia. Alternative splicing of this gene results in multiple transcript variants. The tissue inhibitor of metalloproteinase 4 gene is located within an intron of this gene and is transcribed in the opposite direction.
Product Categories/Family for anti-SYN2 antibody	Signal Transduction; G protein signaling; G-Protein-Coupled Receptors Signaling to MAPK Erk; Neuroscience; Cell Type Marker; Neuron marker; Synapse marker; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	223634710
NCBI GeneID	6854
UniProt Accession #	Q92777; A8MY98
Molecular Weight	Calculated MW: 63kDa Observed MW: 60kDa
UniProt Protein Name	Synapsin-2
UniProt Gene Name	SYN2
UniProt Entry Name	SYN2_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://stage.aaabiotech.com/monoclonal/synapsin-ii-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282732>