

Product Datasheet

Synapsin I Antibody (7H10G6) - BSA Free NBP2-61895

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-61895

Synapsin I Antibody (7H10G6) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7H10G6
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	74.1 kDa

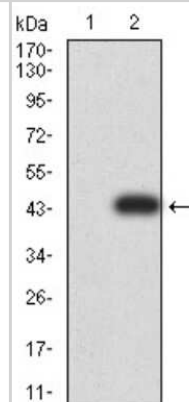
Product Description	
Description	Novus Biologicals Mouse Synapsin I Antibody (7H10G6) - BSA Free (NBP2-61895) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-Synapsin I Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6853
Gene Symbol	SYN1
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Purified recombinant fragment of human Synapsin I (AA: 362-511) expressed in E. Coli.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:200-1:400, ELISA 1:10000, Immunohistochemistry 1:200-1:1000, Immunocytochemistry/ Immunofluorescence 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000

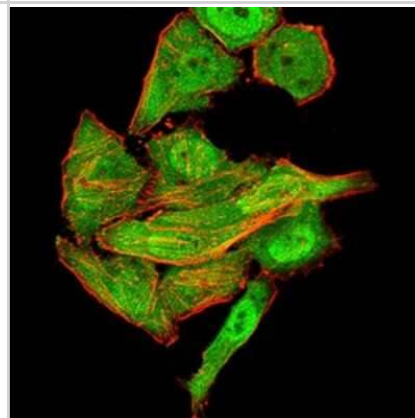


Images

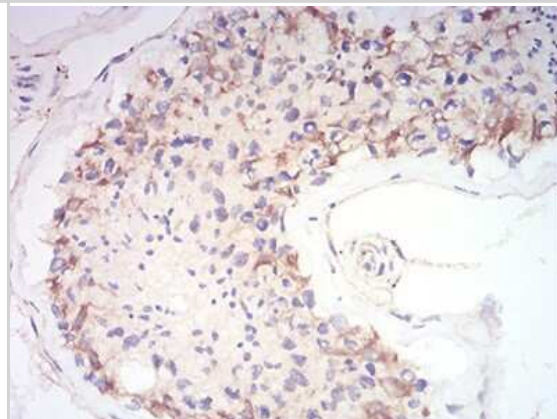
Western Blot: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis using SYN1 mAb against HEK293 (1) and SYN1 (AA: 362-511)-hlgGFc transfected HEK293 (2) cell lysate.



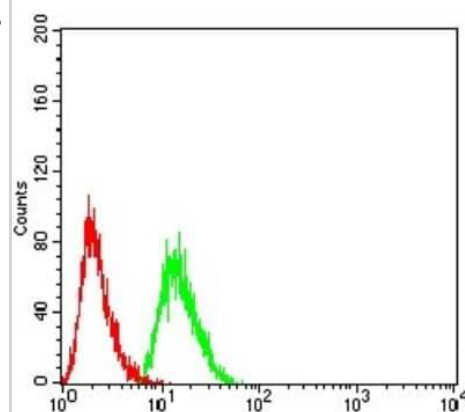
Immunocytochemistry/Immunofluorescence: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of HepG2 cells using SYN1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody was used.



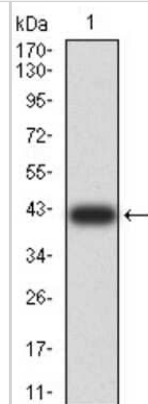
Immunohistochemistry: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of paraffin-embedded testis tissues using SYN1 mouse mAb with DAB staining.



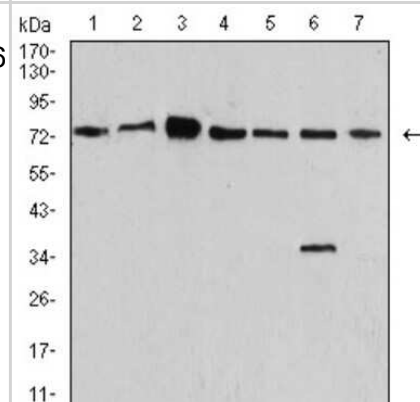
Flow Cytometry: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of HeLa cells using SYN1 mouse mAb (green) and negative control (red).



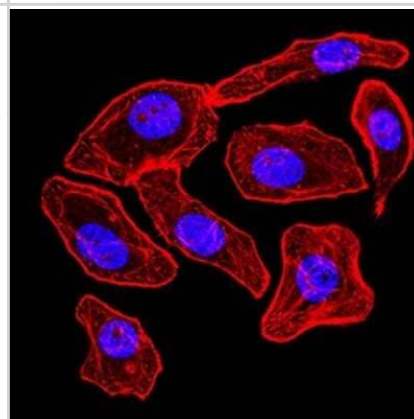
Western Blot: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis using SYN1 mAb against human SYN1 (AA: 362-511) recombinant protein. (Expected MW is 41.7 kDa)



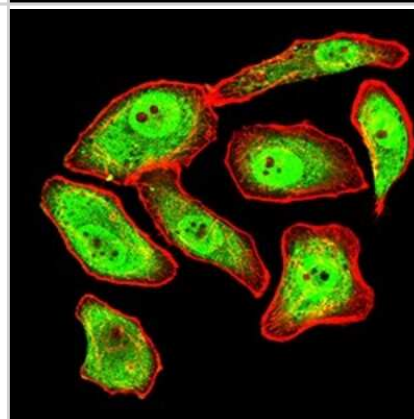
Western Blot: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis using SYN1 mouse mAb against SK-N-SH (1), NIH/3T3 (2), U251 (3), C6 (4), A549 (5), MCF-7 (6), and COS7 (7) cell lysate.



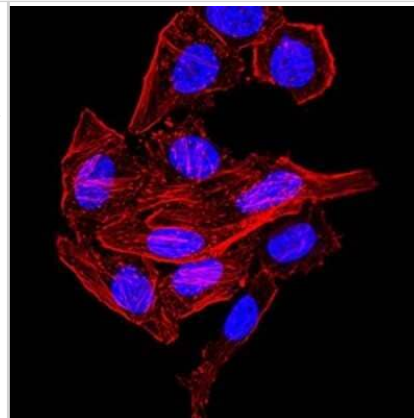
Immunocytochemistry/Immunofluorescence: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of GC-7901 cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody was used.



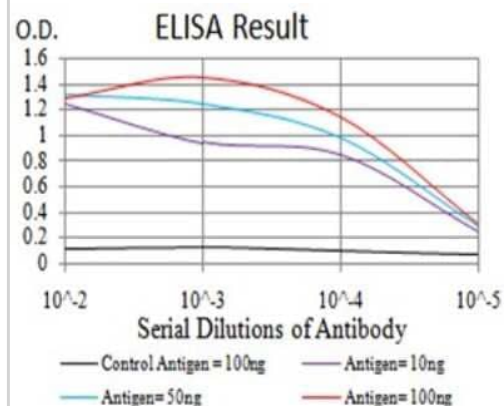
Immunocytochemistry/Immunofluorescence: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of GC-7901 cells using SYN1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody was used.



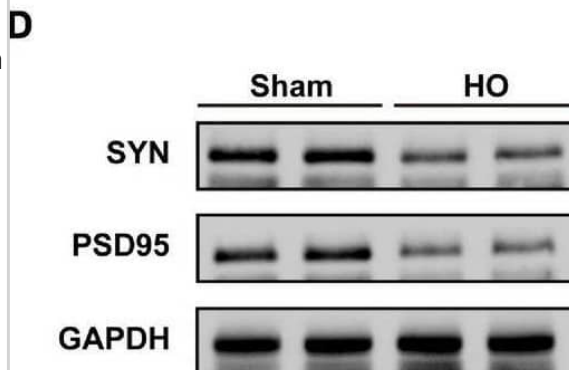
Immunocytochemistry/Immunofluorescence: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of HepG2 cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody was used.



ELISA: Synapsin I Antibody (7H10G6) [NBP2-61895] - Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Microglial cells and SYN/PSD95 protein in the hippocampal region of HO rats. (A) Immunofluorescence staining of Iba1+ cells. Iba1 (green) and DAPI (blue). Scale bars, 100 μ m for low magnification images and 50 μ m for high magnification images; quantification of Iba1+ cells and the cell body area in the hippocampus, n = 4–6, **P < 0.01 vs. sham-operated group. (B) Immunofluorescence staining of Iba1+ and SYN in the hippocampus: SYN (red), Iba1 (green), and DAPI (blue); scale bars, 50 μ m, n = 6, **P < 0.01 vs. sham-operated group. (C) Immunofluorescence staining of Iba1+ and PSD95 in the hippocampus: PSD95 (red), Iba1 (green), and DAPI (blue); scale bars, 50 μ m, n = 6, **P < 0.01 vs. sham-operated group. (D–F) The protein levels of SYN and PSD95 in the hippocampus, n = 3, *P < 0.05 vs. sham-operated group. All data are presented as the M \pm SEM of each group. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36072565>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Arimitsu N, Mizukami Y, Shimizu J et al. Defective Reelin/Dab1 signaling pathways associated with disturbed hippocampus development of homozygous yotari mice Molecular and cellular neurosciences 2021-04-01 [PMID: 33845123]



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Products Related to NBP2-61895

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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