

# 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

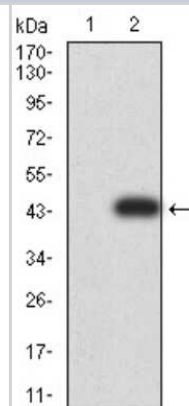
| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 ml   |
| Concentration           | 1 mg/ml  |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal   |
|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

| Product Description |   |
|---------------------|---|
| 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.   |

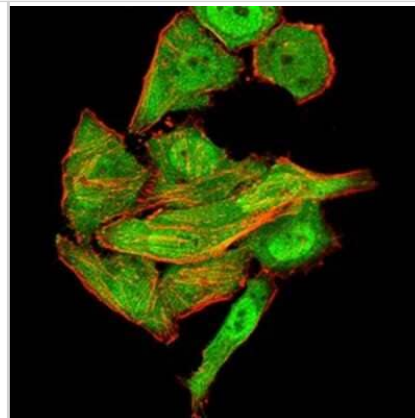
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin   |
| Recommended Dilutions       | Western Blot 1:500-1:2000, Flow Cytometry 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**

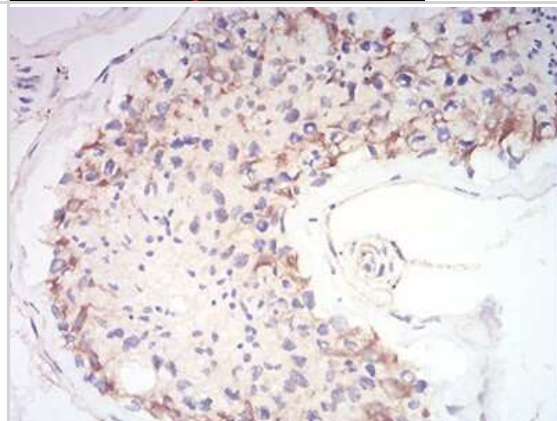
Western Blot: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis using SYN1 mAb against HEK293 (1) and SYN1 (AA: 362-511)-hlgGfc transfected HEK293 (2) cell lysate.



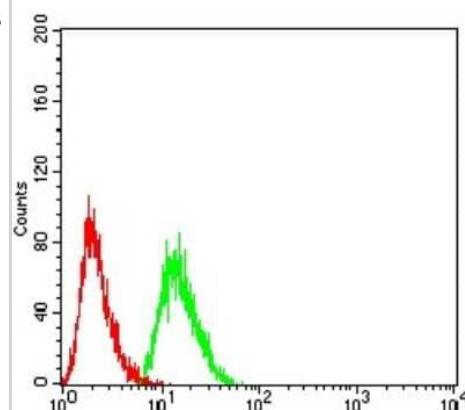
Immunocytochemistry/Immunofluorescence: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of HepG2 cells using SYN1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody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



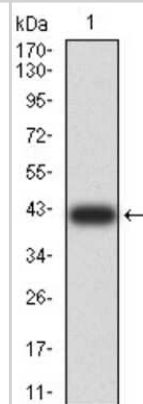
Immunohistochemistry: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of paraffin-embedded testis tissues using SYN1 mouse mAb with DAB staining.



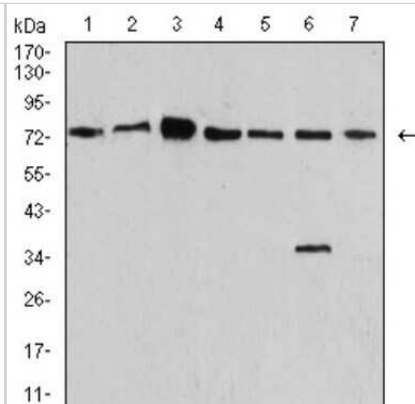
Flow Cytometry: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of Hela cells using SYN1 mouse mAb (green) and negative control (red).



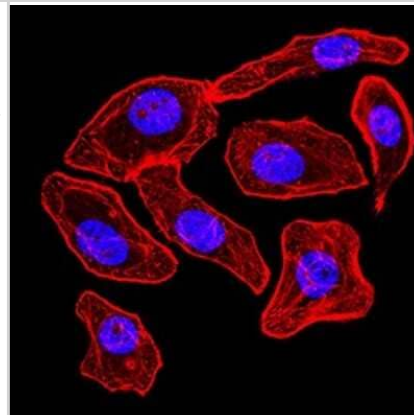
Western Blot: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis using SYN1 mAb against human SYN1 (AA: 362-511) recombinant protein. (Expected MW is 41.7 kDa)



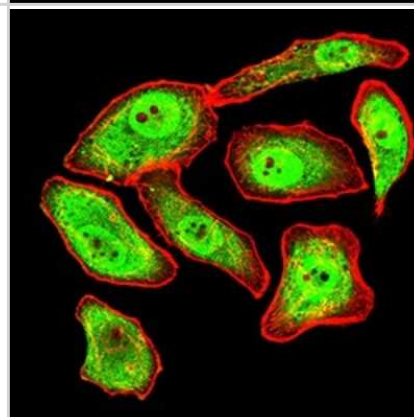
Western Blot: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis using SYN1 mouse mAb against SK-N-SH (1), NIH/3T3 (2), U251 (3), C6 (4), A549 (5), MCF-7 (6), and COS7 (7) cell lysate.



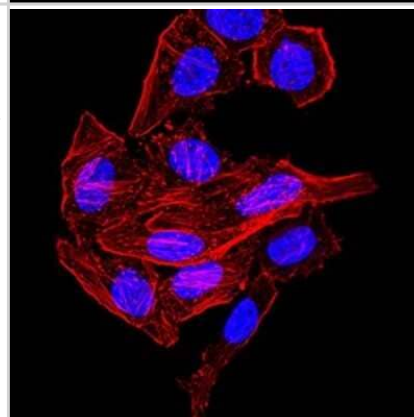
Immunocytochemistry/Immunofluorescence: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of GC-7901 cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody was used.



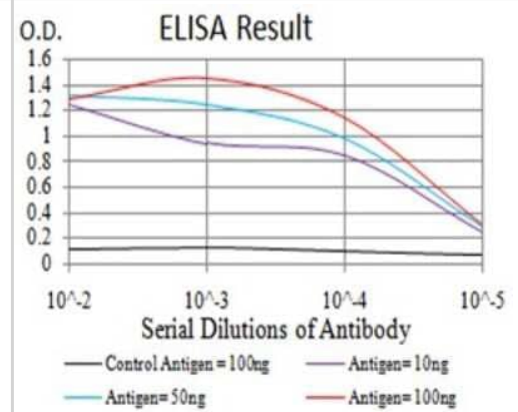
Immunocytochemistry/Immunofluorescence: Synapsin I Antibody (7H10G6) [NBP2-61895] - Analysis of GC-7901 cells using SYN1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Goat anti-Mouse IgG (H+L) DyLight 488 secondary antibody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



## 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**

|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg   | Mouse IgG1 Isotype Control (MG1)                        |
| H00006853-Q01-10ug | Recombinant Human Synapsin I GST (N-Term) Protein       |

### **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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