

SYN1 monoclonal antibody

Catalog: MB22156

Host: Mouse

Reactivity: Human, Mouse, Monkey, Rat

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.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

74.1kDa

Swiss-Prot:

P17600

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000
FC:1/200 - 1/400

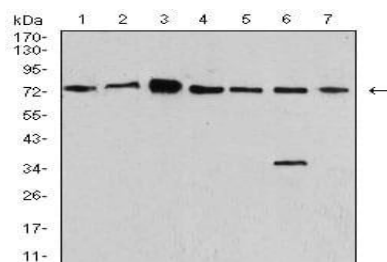
Storage&Stability:

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

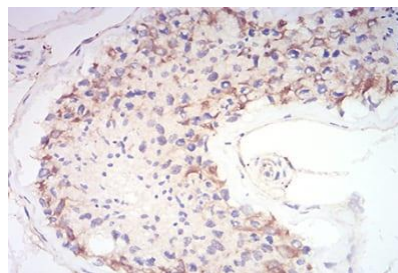
Isotype:

Mouse IgG1

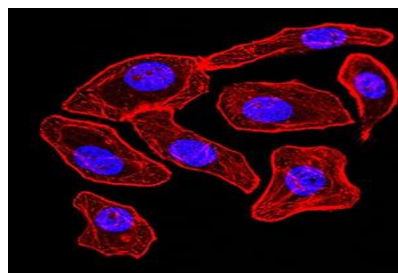
DATA:



Western blot 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.



Immunohistochemical analysis of paraffin-embedded human testis tissues using SYN1 mouse mAb with DAB staining.



Immunofluorescence analysis of GC-7901 cells. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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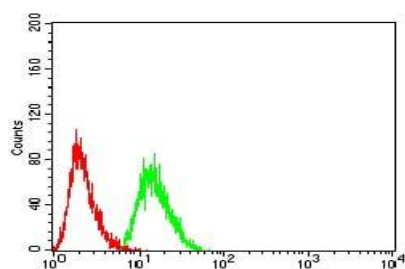
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Flow cytometric analysis of Hela cells using SYN1 mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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