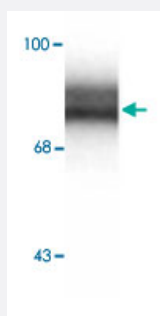


SYN1 polyclonal antibody

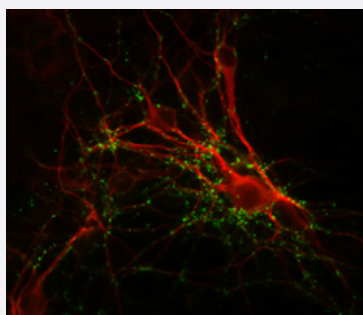
Catalog # PAB9702 Size 10 ug

Applications



Western Blot (Tissue lysate)

Western blot of 10 ug of rat hippocampal (Hipp) lysate showing specific immunolabeling of the ~78k SYN1 protein. Using SYN1 polyclonal antibody (Cat # PAB9702).



Immunofluorescence

Immunochemical staining of cultured caudate neurons with SYN1 polyclonal antibody (Cat # PAB9702) (green) and anti-MAP antibody (red). Cells and phospho courtesy of QBM Cell Science.

Specification

Product Description Rabbit polyclonal antibody raised against native SYN1.

Immunogen Native purified bovine SYN1.

Host Rabbit

Theoretical MW (kDa) 78

Reactivity Bovine, Human, Mouse, Rat

Form Lyophilized

Purification Affinity purification

Quality Control Testing	Antibody Reactive Against Native Purified Protein.
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Recommend Usage	Immunohistochemistry (Frozen sections) (1:2000) Immunofluorescence (1:2000) Immunoprecipitation (1 ug/200 ug lysate) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
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Storage Buffer	Lyophilized from 5 mM ammonium bicarbonate
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Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with PBS, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Tissue lysate)

Western blot of 10 ug of rat hippocampal (Hipp) lysate showing specific immunolabeling of the ~78k SYN1 protein. Using SYN1 polyclonal antibody (Cat # PAB9702).

- Immunohistochemistry (Frozen sections)

- Immunofluorescence

Immunochemical staining of cultured caudate neurons with SYN1 polyclonal antibody (Cat # PAB9702) (green) and anti-MAP antibody (red). Cells and phosho courtesy of QBM Cell Science.

- Immunoprecipitation

Gene Info — SYN1

Entrez GeneID	281510
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Protein Accession#	P17599
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Gene Name	SYN1
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Gene Alias	MGC152080
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Gene Description	synapsin I
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Gene Ontology	Hyperlink
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Other Designations	-
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Publication Reference

- [Regulation of neurotransmitter release by synapsin III.](#)

Feng J, Chi P, Blanpied TA, Xu Y, Magarinos AM, Ferreira A, Takahashi RH, Kao HT, McEwen BS, Ryan TA, Augustine GJ, Greengard P.

Journal of Neuroscience 2002 Jun; 22(11):4372.

- [A protein kinase A-dependent molecular switch in synapsins regulates neurite outgrowth.](#)

Kao HT, Song HJ, Porton B, Ming GL, Hoh J, Abraham M, Czernik AJ, Pieribone VA, Poo MM, Greengard P.

Nature Neuroscience 2002 Apr; 5(5):431.

- [Opposing changes in phosphorylation of specific sites in synapsin I during Ca²⁺-dependent glutamate release in isolated nerve terminals.](#)

Jovanovic JN, Sihra TS, Nairn AC, Hemmings HC Jr, Greengard P, Czernik AJ.

The Journal of Neuroscience 2001 Oct; 21(20):7944.

Application: WB, Rat, Synaptosomes generated from cerebral cortices