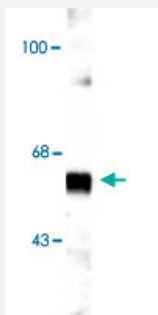


Syt1 polyclonal antibody

Catalog # PAB9639

Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of rat cortex lysate showing specific labeling of the ~65k Syt1 protein. Using Syt1 polyclonal antibody (Cat # PAB9639).

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of Syt1.

Immunogen A synthetic peptide corresponding to rat Syt1.

Host Rabbit

Theoretical MW (kDa) 65

Reactivity Bovine, Chicken, Human, Mouse, Primates, Rat

Form Liquid

Purification Affinity purification

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot of rat cortex lysate showing specific labeling of the ~65k Syt1 protein. Using Syt1 polyclonal antibody (Cat # PAB9639).

Gene Info — Syt1

Entrez GeneID [25716](#)

Protein Accession# [P21707](#)

Gene Name Syt1

Gene Alias P65

Gene Description synaptotagmin I

Gene Ontology [Hyperlink](#)

Other Designations synaptotagmin 1

Publication Reference

- [Discrete residues in the c\(2\)b domain of synaptotagmin I independently specify endocytic rate and synaptic vesicle size.](#)

Poskanzer KE, Fetter RD, Davis GW.

Neuron 2006 Apr; 50(1):49.

Application: IF, Flies, Synapses

- [Ca²⁺-dependent synaptotagmin binding to SNAP-25 is essential for Ca²⁺-triggered exocytosis.](#)

Zhang X, Kim-Miller MJ, Fukuda M, Kowalchuk JA, Martin TF.

Neuron 2002 May; 34(4):599.

- [Synaptotagmin controls and modulates synaptic-vesicle fusion in a Ca\(2+\)-dependent manner.](#)

Littleton JT, Bellen HJ.

Trends in Neurosciences 1995 Apr; 18(4):177.

Application: WB-Ce, WB-Tr, Mouse, Nematoda, Neuronal cells