Anti-Synapsin I pS549 (Rabbit) Antibody - 612-401-C94

**Code:** 612-401-C94  **Size:** 100 µL

**Product Description:** Anti-Synapsin I pS549 (Rabbit) Antibody - 612-401-C94

**Concentration:** Titrated value sufficient to run approximately 10 mini blots.

**Physical State:** Liquid

**Label:** Unconjugated  
**Host:** Rabbit  
**Gene Name:** SYN1  
**Species Reactivity:** rat

**Buffer**  
0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5

**Stabilizer**  
0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

**Storage Condition**  
Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

**Synonyms**  
Synapsin I, SYN1

**Application Note**  
Anti-Synapsin pS549 (Rabbit) antibody is suitable for use in Western Blotting and IHC. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 78 kDa in size corresponding to synapsin I doublet phosphorylated at Ser549 in the appropriate cell lysate or extract.

**Background**  
Synapsin I pS549 antibody is directed against rat Synapsin I, which plays a key role in synaptic plasticity in brain. This effect is due in large part to the ability of the synapsins to regulate the availability of synaptic vesicles for release. The role of synapsin in synaptic plasticity and in synaptogenesis is regulated by phosphorylation. Ser 549 along with Ser 62 and Ser 67 are the sites of synapsin I that are phosphorylated by MAP kinase. Phosphorylation and subsequent dephosphorylation of this site is thought to play a key role in synaptic vesicle trafficking. Anti-Synapsin I pS549 Antibody is ideal for investigators involved in Cell Signaling, Neuroscience, Signal Transduction research.

**Purity And Specificity**  
Anti-Synapsin I pS549 antibody is directed against rat Synapsin I. The antibody detects Synapsin I antibodies are affinity purified from monospecific antiserum by immunofunctional purification. Immunolabeling of the synapsin I band is blocked by ?-phosphatase treatment. Reactivity is expected from the following species based on 100% sequence homology: bovine, canine, human, mouse, and non-human primate.

**Immunohistochemistry**  
1:500

**WESTERN BLOT**  
1:1000

**IHC**  
1:500

**Immunogen**  
Anti-Synapsin I pS549 Antibody was produced in rabbit by repeated immunizations with synthetic phosphopeptide corresponding to amino acid residues surrounding Ser549 of Synapsin I.

**General Reference**


**Related Products**
600-401-940  Anti-Lysine Methylated (MeK) (RABBIT) Antibody - 600-401-940

611-103-122  Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) - 611-103-122

B552-0500  BLOTTO A PRE-MIXED - for a 1X SOLUTION of Immunoanalytical Grade 5% NON-FAT DRY MILK in TBS with TWEEN-20 - B552-0500

B552-0500  BLOTTO A PRE-MIXED - for a 1X SOLUTION of Immunoanalytical Grade 5% NON-FAT DRY MILK in TBS with TWEEN-20 - B552-0500

TMBE-1000  TMB ELISA PEROXIDASE SUBSTRATE - TMBE-1000

Related Links


P17599  http://www.uniprot.org/uniprot/P17599


Images

1  Western Blot of Rabbit anti-Synapsin Ser549 antibody. Lane 1: rat cortex lysate (control). Lane 2: ~Pase. Load: 10 µg per lane. Primary antibody: Synapsin Ser549 antibody at 1:1,000 for overnight at 4°C. Secondary antibody: IRDye800® rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 78 kDa for Synapsin Ser549. Other band(s): none.

Anti-Phospho-Ser<sup>549</sup> Synapsin I

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 326, Gilbertsville, Pennsylvania, USA.