

Datasheet for ABIN361409

anti-SYN1 antibody

2 Images



[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	SYN1
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Native protein purified from bovine brain
Specificity:	Specific for the ~78k synapsin I doublet in Western blots of rat brain extracts. Immunolabeling blocked by preadsorption of antibody with the protein used to generate the antibody.
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	Antigen Affinity Purified from Pooled Serum

Target Details

Target:	SYN1
Alternative Name:	SYN1 (SYN1 Products)
Background:	Synapsin I plays a key role in synaptic plasticity in brain (Feng et al., 2002, Nayak et al., 1996). This effect is due in large part to the ability of the synapsins to regulate the availability of

Target Details

synaptic vesicles for release. In addition to its role in plasticity, the expression of synapsin I is a precise indicator of synapse formation (Moore and Bernstein, 1989, Stone et al., 1994). Thus, synapsin I immunocytochemistry provides a valuable tool for the study of synaptogenesis. The role of synapsin in synaptic plasticity and in synaptogenesis is regulated by phosphorylation (Jovanovic et al., 2001, Kao et al., 2002). Anti-Synapsin I Western blot of 10 ug of rat hippocampal (Hipp) lysate showing specific immunolabeling of the ~78k synapsin I doublet protein.

Molecular Weight:	78 kDa
Gene ID:	281510
UniProt:	P17599

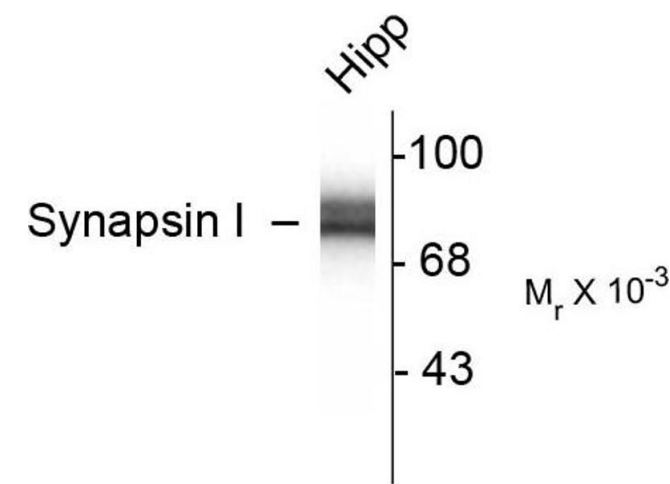
Application Details

Application Notes:	Recommended Dilution: WB: 1:1000 IHC, IF (frozen sections, unpublished observations): 1:2000 IP: 1 µg per 200 µg lysate Quality Control: Western blots performed on each lot.
Restrictions:	For Research Use only

Handling

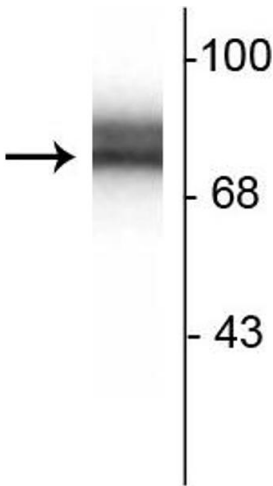
Format:	Lyophilized
Buffer:	Lyophilized
Storage:	-20 °C

Images



Western Blotting

Image 1. Western blots of 10 ug of rat hippocampal (Hipp) lysate showing specific immunolabeling of the ~78k synapsin I doublet protein.



Western Blotting

Image 2. Western blot of 10ug of rat hippocampal lysate showing specific immunolabeling of the ~78 kDa synapsin I doublet protein.