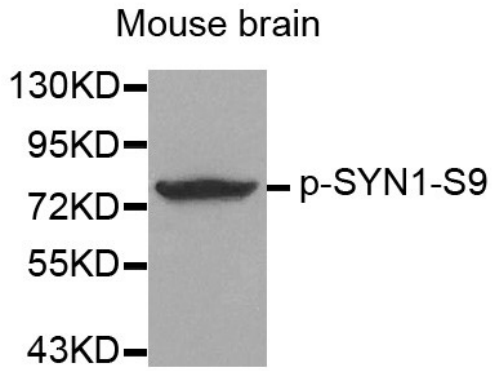
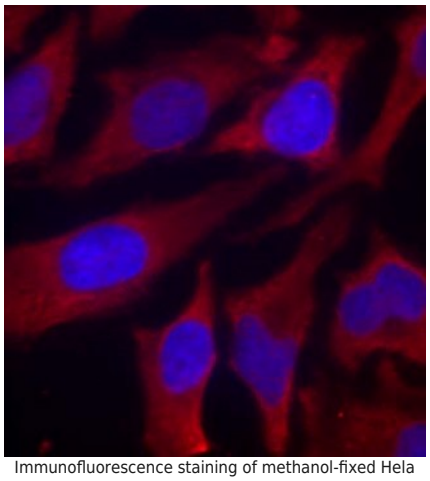
Product name:	Phospho-Synapsin I (S9)
Cat number:	ABP-0244
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	A phospho specific peptide corresponding to residues surrounding S9 of human SYN1
Reactivity:	Hu, Ms, Rt
Applications:	WB: 1:1000 IF: 1:100 – 1:200
Molecular Weight:	77kDa
Form:	liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
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 modµlation of neurotransmitter release, sµggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regµlation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regµlation 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.



Western blot analysis of extracts from Mouse Brain tissue using Phospho-SYN1-SER-9 antibody.



Immunofluorescence staining of methanol-fixed Hela cells using Phospho-SYN1-S9 antibody