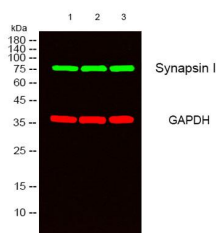
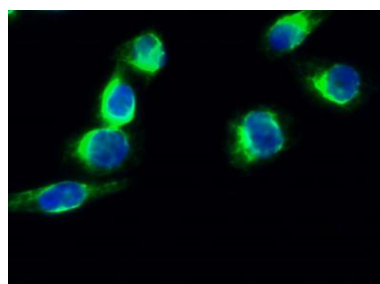


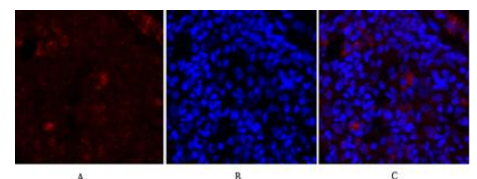
<b>Cat. No:</b>	AB-83468
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	The antiserum was produced against synthesized peptide derived from human Synapsin. AA range:3-52
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Applications:</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300 Immunofluorescence: 1/200 - 1/1000
<b>Molecular Weight:</b>	74kD
<b>Purification:</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Synonyms:</b>	SYN1; Synapsin-1; Brain protein 4.1; Synapsin I
<b>Background:</b>	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 modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. This member of the synapsin family plays a role in regulation of axonogenesis and synaptogenesis. The protein encoded serves as a substrate for several different protein kinases and phosphorylation may function in the regulation 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.
<b>Form:</b>	Liquid
<b>Buffer:</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage:</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.



Western blot analysis of lysates from



Immunofluorescence analysis of HeLa



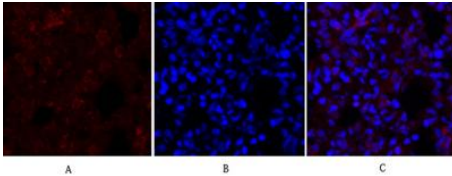
Immunofluorescence analysis of rat-lung tissue.

1, Synapsin I Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight).  
2, Cy3 labeled Secondary antibody was

1) HeLa,  
2) 293,  
3) NIH-3T3 cells, □Green □ primary antibody was diluted at 1:1000, 4° overnight, secondary antibody was diluted at 1:10000, 37° 1hour. □Red □ GAPDH Monoclonal Antibody(2B8) antibody was diluted at 1:5000 as loading control, 4° over night, secondary antibody was diluted at 1:10000, 37° 1hour.

cell.  
1, Synapsin I Polyclonal Antibody(green) was diluted at 1:200(4° overnight).  
2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000(room temperature, 50min).  
3 DAPI(blue) 10min.

diluted at 1:300(room temperature, 50min).  
3, Picture B: DAPI(blue) 10min. Picture A: Target.



Immunofluorescence analysis of rat-lung tissue.

1, Synapsin I Polyclonal Antibody(red) was diluted at 1:200(4°C, overnight).  
2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).  
3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B