Affinity Biosciences
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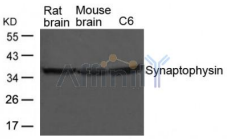
Synaptophysin Ab

Cat.#: AF4095
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 38kd
Clonality: Polyclonal

Application:	IF/ICC 1:100-1:500
Reactivity:	Human
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	The Ab detects endogenous levels of total Synaptophysin protein.
Immunogen:	Peptide sequence around aa.305~309(A-P-T-S-F) derived from Human Synaptophysin.
Uniprot:	P08247
Description:	Western blot analysis of extracts from Rat and Mouse brain tissue and C6 cells using Synaptophysin Antibody
Subcellular Location:	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Cell junction, synapse, synaptosome.
Tissue Specificity:	Characteristic of a type of small (30-80 nm) neurosecretory vesicles, including presynaptic vesicles, but also vesicles of various neuroendocrine cells of both neuronal and epithelial phenotype.
Similarity:	The calcium-binding activity is thought to be localized in the cytoplasmic tail of the protein.Belongs to the synaptophysin/synaptobrevin family.
Storage Condition and Buffer:	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.



Western blot analysis of extracts from Rat and Mouse brain tissue and C6 cells using Synaptophysin Ab

AF4095 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.