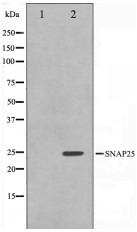
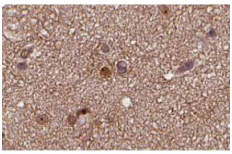
SNAP25 Ab

Cat.#: AF0254	Concn.: 1mg/ml	Mol.Wt.: 25kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB: 1:500~1:3000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	SNAP25 Ab detects endogenous levels of total SNAP25.
Immunogen:	A synthesized peptide derived from human SNAP25.
Uniprot:	P60880
Description:	SNAP-25 a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. May play an important role in the synaptic function of specific neuronal systems. Part of the SNARE core complex containing SNAP25, VAMP2 and syntaxin 1A. Associates with proteins involved in vesicle docking and membrane fusion. Two alternatively spliced isoforms have been described.
Subcellular Location:	Cytoplasm > perinuclear region. Cell membrane. Cell junction > synapse > synaptosome. Membrane association requires palmitoylation. Expressed throughout cytoplasm, concentrating at the perinuclear region.
Tissue Specificity:	Neurons of the neocortex, hippocampus, piriform cortex, anterior thalamic nuclei, pontine nuclei, and granule cells of the cerebellum.
Similarity:	Belongs to the SNAP-25 family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis on RAW264.7 cell lysate using SNAP25 Ab,The lane on the left is treated with the antigen-specific peptide.



AF0254 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

AF0254 staining RAW264.7 cells 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(Cat.# S0006), diluted at 1/600, was used as 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.