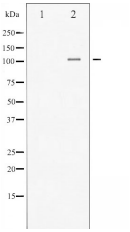
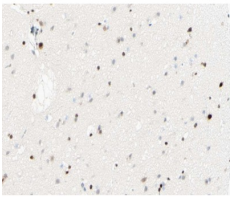
Phospho-NF kappaB p105/p50 (Ser893) Ab

Cat.#: AF3220	Concn.: 1mg/ml	Mol.Wt.: 105kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-NF- kappaB p105/p50 (Ser893) Ab detects endogenous levels of NF- kappaB p105/p50 only when phosphorylated at Serine 893.
Immunogen:	A synthesized peptide derived from human NF- kappaB p105/p50 around the phosphorylation site of Serine 893.
Uniprot:	P19838
Description:	NFkB-p105 a transcription factor of the nuclear factor-kappaB (NFkB) group. Undergoes cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of NFkB. NFkB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products.
Subcellular Location:	Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor.
Tissue Specificity:	By phorbol ester and TNF.
Similarity:	The C-terminus of p105 might be involved in cytoplasmic retention, inhibition of DNA-binding, and transcription activation.Glycine-rich region (GRR) appears to be a critical element in the generation of p50.
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 of NF kappaB p105/p50 phosphorylation expression in HeLa whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



AF3220 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.

AF3220 staining HeLa 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.