

# NF $\kappa$ B P105/P50 Mouse Monoclonal Antibody(4D11)

## Catalog No: RA10317

### Basic Information

Host species	Mouse
Applications	WB
Species Cross-Reactivity	H, M
Specificity	The Antibody can detects endogenous NF $\kappa$ B P105/P50 proteins.
Recommended dilutions	WB: 1:500-1,000 Optimal dilutions should be determined by the end user.

### Applications

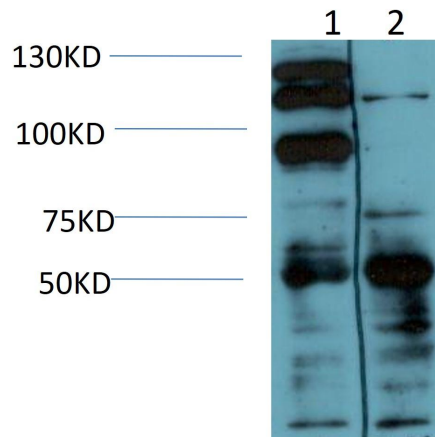
Formulation	Antigen Affinity Purified Rabbit IgG, 1mg/ml in PBS pH7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

### Background

Alternative Names	NFKB1, nuclear factor nf-kappa-b p105,DNA-binding factor KBF1
Observed band	50110
Human Gene ID	4790
Human Swiss-Prot Number	P19838
Background	Nuclear factor kappa B subunit 1(NFKB1) Homo sapiens This gene encodes a 105 kD protein which can undergo 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 the NF-kappa-B (NFKB) protein complex. 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. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or

delayed cell growth.

Selected Validation Data



Western blot analysis of 1)MCF7 Cell, 2) Mouse Brain Tissue Lysate using NF  $\kappa$ B P105/P50 Mouse Monoclonal mAb diluted at 1:1,000.