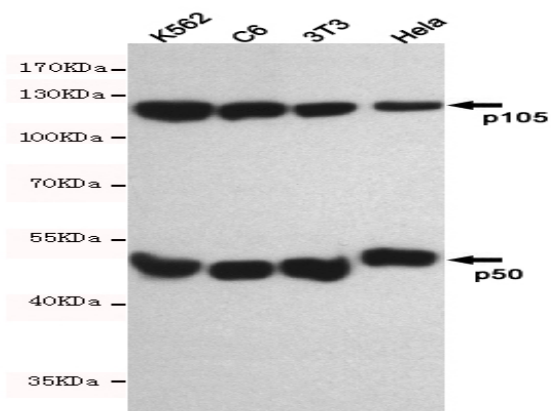


## NFKB1 mouse mAb

<b>Catalog No :</b>	YM1520
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB
<b>Target :</b>	NFKB1
<b>Fields :</b>	>>Antifolate resistance;>>MAPK signaling pathway;>>Ras signaling pathway;>>cAMP signaling pathway;>>Chemokine signaling pathway;>>NF-kappa B signaling pathway;>>HIF-1 signaling pathway;>>Sphingolipid signaling pathway;>>PI3K-Akt signaling pathway;>>Apoptosis;>>Longevity regulating pathway;>>Cellular senescence;>>Osteoclast differentiation;>>Neutrophil extracellular trap formation;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>Cytosolic DNA-sensing pathway;>>C-type lectin receptor signaling pathway;>>IL-17 signaling pathway;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>T cell receptor signaling pathway;>>B cell receptor signaling pathway;>>TNF signaling pathway;>>Neurotrophin signaling pathway;>>Prolactin signaling pathway;>>Adipocytokine signaling pathway;>>Relaxin signaling pathway;>>Insulin resistance;>>Non-alcoholic fatty liver disease;>>AGE-RAGE signaling pathway in diabetic complications;>>A
<b>Gene Name :</b>	NF-κB1 p105/p50
<b>Human Gene Id :</b>	4790
<b>Human Swiss Prot No :</b>	P19838
<b>Mouse Swiss Prot No :</b>	P25799
<b>Immunogen :</b>	Recombinant human NF-κB1 p105/p50 protein.
<b>Specificity :</b>	This antibody detects endogenous levels of NF-κB1 p105/p50 and does not cross-react with related proteins.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse

<b>Dilution :</b>	<u>wb dilution 1:500</u>
<b>Purification :</b>	<u>The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.</u>
<b>Concentration :</b>	<u>1 mg/ml</u>
<b>Storage Stability :</b>	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
<b>Molecularweight :</b>	<u>105kD</u>
<b>Cell Pathway :</b>	<u>MAPK_ERK_Growth;MAPK_G_Protein;Chemokine;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;Toll_Like;NOD-like receptor;RIG-I-like receptor;Cytosolic DNA-sensing pathway;T_Cell_Receptor;B</u>
<b>Background :</b>	<u>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. Alternative splicing results in multiple transcript variants encoding different isof</u>
<b>Function :</b>	<u>domain:Glycine-rich region (GRR) appears to be a critical element in the generation of p50.,domain:The C-terminus of p105 might be involved in cytoplasmic retention, inhibition of DNA-binding, and transcription activation.,function:NF-kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is involved in many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and NFKB2/p52 and the heterodimeric p65-p50 complex appears to be most abundant one. The dimers bind at kappa-B sites in the DNA of their target genes and the individual dimers have distinct preferences for different kappa-B sites that they can bind with distinguishable affinity and specificity. Diff</u>
<b>Subcellular Location :</b>	<u>Nucleus. Cytoplasm. Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor (I-kappa-B).</u>
<b>Expression :</b>	<u>Muscle,Rectum tumor,Uterus,</u>

## Products Images



Western blot detection of NF-κB1 p105/p50 in K562, C6, 3T3 and HeLa cell lysates using NF-κB1 p105/p50 mouse mAb(dilution 1:500). Predicted band size:120, 50kDa. Observed band size:120, 50kDa.