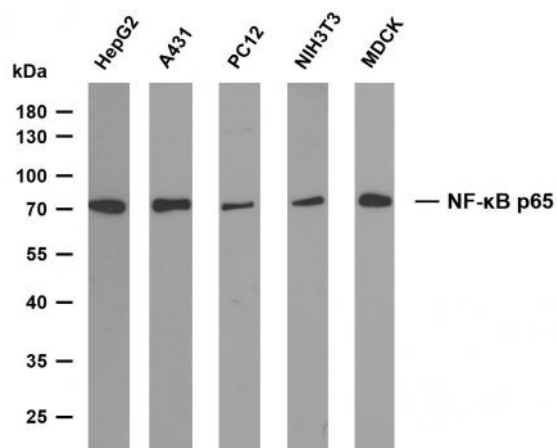


NF- κ B p65 (PTR2315) mouse mAb

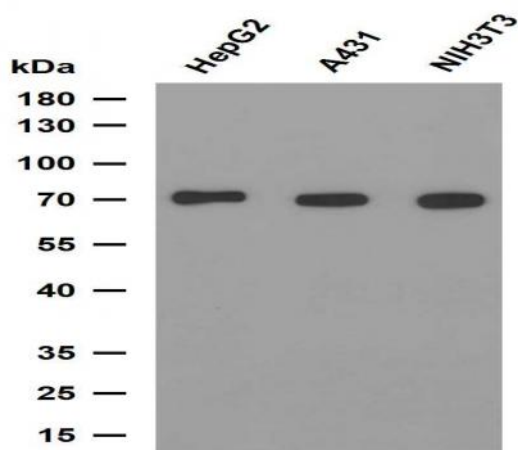
Catalog No :	YM3111
Reactivity :	Human;Mouse;
Applications :	WB;IF;ELISA
Target :	NF κ B p65
Fields :	>>Antifolate resistance;>>MAPK signaling pathway;>>Ras signaling pathway;>>cAMP signaling pathway;>>Chemokine signaling pathway;>>NF-kappa B signaling pathway;>>HIF-1 signaling pathway;>>Sphingolipid signaling pathway;>>Mitophagy - animal;>>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 diabe
Gene Name :	RELA
Protein Name :	Transcription factor p65
Human Gene Id :	5970
Human Swiss Prot No :	Q04206
Mouse Gene Id :	19697
Mouse Swiss Prot No :	Q04207
Immunogen :	Recombinant Protein of human Transcription factor p65 AA range: 200-300
Specificity :	This antibody detects endogenous levels of NF- κ B p65 protein.

Formulation :	<u>PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA</u>
Source :	<u>Mouse, Monoclonal/IgG2a, kappa</u>
Dilution :	<u>WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000</u>
Purification :	<u>Protein G</u>
Storage Stability :	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
Molecularweight :	<u>65kD</u>
Observed Band :	<u>70kD</u>
Cell Pathway :	<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>
Background :	<u>NF-kappa-B is a ubiquitous transcription factor involved in several biological processes. It is held in the cytoplasm in an inactive state by specific inhibitors. Upon degradation of the inhibitor, NF-kappa-B moves to the nucleus and activates transcription of specific genes. NF-kappa-B is composed of NFKB1 or NFKB2 bound to either REL, RELA, or RELB. The most abundant form of NF-kappa-B is NFKB1 complexed with the product of this gene, RELA. Four transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011],</u>
Function :	<u>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. Different dimer combinations act as transcriptional activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-translational modification and subcellular compartmentalization as well as by in</u>
Expression :	<u>Bone,Colon,Pancreas,Placenta,</u>

Products Images



Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-NF-κB p65(PTR2315) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: A431 Lane 3: PC-12 Lane 1: NIH3T3 Lane 1: MDCK



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