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Anti-NF-κB p65 (phospho Ser536) Rabbit mAb [83F08]

Catalog No.: A52235

Basic Information

Catalog No. (Cat.No.)	A52235
Host species	Rabbit
Reactivity	Human,Mouse,Rat,Chicken
Applications	WB,IP,IF,ELISA
Synonyms	NF-κB p65 (phospho Ser536),p-p65(Ser536),RelA,p65,NF-κB-A2

Product Information

Target	NF-κB p65 (phospho Ser536)
Molecular Weight(Calculated)	60 kDa
Molecular Weight(Observed)	60 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	83F08
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:2000-1:10000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	NF-κB p65 (phospho Ser536)
Gene Name	*RELA*
Domain	NA
Background	RELA (NF-κB p65, RELA proto-oncogene, NF-κB subunit) is NF-κB transcription-factor family protein governing inflammation, immune response and cell survival. Phosphorylation at Ser536 is critical activating modification catalyzed by IKK and other kinases, triggering dissociation of p65 from cytoplasmic inhibitory complex and enhancing nuclear translocation and transcriptional competence. Under resting conditions p65 is sequestered in cytoplasm. Stimuli including TNF-α and LPS induce Ser536 phosphorylation and nuclear entry to transactivate pro-inflammatory and anti-apoptotic target genes. Constitutive Ser536 phosphorylation occurs in chronic inflammation, autoimmune diseases and malignancies. Ser536 phosphorylation does not dominate DNA binding but modulates co-factor recruitment, enabling discrimination between total and activated p65.