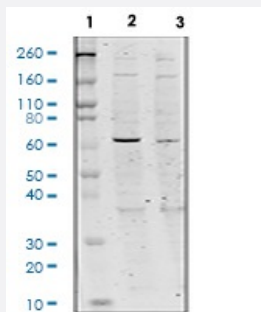


RecomAb™

RELA recombinant monoclonal antibody, clone NFkBp65S536-B7

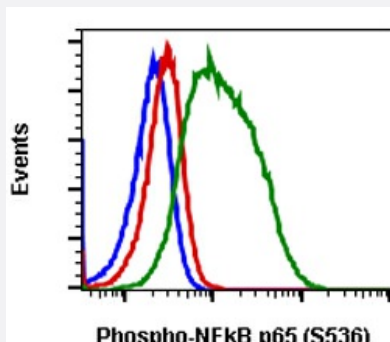
Catalog # RAB02851 Size 200 uL

Applications



Western Blot

Western blot analysis of HeLa cell extract untreated or treated with TNFα plus CAIA using phospho-NFκB p65 (Ser536) antibody NFκBP65S536-B7 at 0.05 ug/mL.



Flow Cytometry

Flow cytometric analysis of HeLa cells unstained and untreated as negative control (blue) or stained and untreated (red) or stained and treated with TNFα plus CAIA (green) using phospho-NFκB p65 (Ser536) antibody NFκBP65S536-B7 at 0.05 ug/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RELA.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser536 of human phospho-NFκB p65
Reactivity	Human
Form	Liquid
Purification	Protein A+G

Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.02% Sodium azide, 50% Glycerol, 0.1% BSA
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of HeLa cell extract untreated or treated with TNF α plus CAIA using phospho-NF κ B p65 (Ser536) antibody NFKBP65S536-B7 at 0.05 ug/mL.

- Flow Cytometry

Flow cytometric analysis of HeLa cells unstained and untreated as negative control (blue) or stained and untreated (red) or stained and treated with TNF α plus CalA (green) using phospho-NF κ B p65 (Ser536) antibody NFKBP65S536-B7 at 0.05 ug/mL.

Gene Info — RELA

Entrez GeneID	5970
Protein Accession#	Q04206
Gene Name	RELA
Gene Alias	MGC131774, NF κ B3, p65
Gene Description	v-rel reticuloendotheliosis viral oncogene homolog A (avian)
Omim ID	164014
Gene Ontology	Hyperlink

Gene Summary

NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB (MIM 604758) to form the NFKB complex. The p50 (NFKB1)/p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008 or NFKBIB, MIM 604495), which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFKB complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM]

Other Designations

nuclear factor of kappa light polypeptide gene enhancer in B-cells 3|v-rel avian reticuloendotheliosis viral oncogene homolog A (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 (p65))|v-rel reticuloendotheliosis viral oncogene homolog

Pathway

- [Acute myeloid leukemia](#)
- [Adipocytokine signaling pathway](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
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- [Hodgkin Disease](#)
- [Liver Cirrhosis](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Testicular Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)