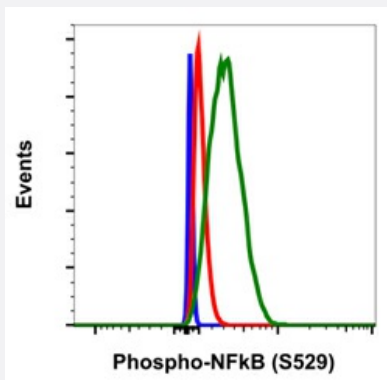


RecomAb™

RELA recombinant monoclonal antibody, clone NFkBp65S529-H3

Catalog # RAB02854 Size 200 uL

Applications



Flow Cytometry

Flow cytometric analysis of HeLa cells secondary antibody only negative control (blue) or untreated (red) or treated with TNFa + calyculin A (green) using Phospho-NFkB p65 (Ser529) antibody NFkBp65S529-H3 at 0.01ug/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RELA.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser529 of human phospho-NFK B p65
Reactivity	Human
Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Recommend Usage	Flow Cytometry 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

- Flow Cytometry

Flow cytometric analysis of HeLa cells secondary antibody only negative control (blue) or untreated (red) or treated with TNFα + calyculin A (green) using Phospho-NFκB p65 (Ser529) antibody NFκBp65S529-H3 at 0.01ug/mL.

Gene Info — RELA

Entrez GeneID

[5970](#)

Protein Accession#

[Q04206](#)

Gene Name

RELA

Gene Alias

MGC131774, NFκB3, p65

Gene Description

v-rel reticuloendotheliosis viral oncogene homolog A (avian)

Omim ID

[164014](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

NFκB1 (MIM 164011) or NFκB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB (MIM 604758) to form the NFκB complex. The p50 (NFκB1)/p65 (RELA) heterodimer is the most abundant form of NFκB. The NFκB complex is inhibited by I-κB proteins (NFκBIA, MIM 164008 or NFκBIB, MIM 604495), which inactivate NFκB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-κB proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFκB complex. Activated NFκB complex translocates into the nucleus and binds DNA at κB-binding motifs such as 5-prime GGGRNYYCC 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](#)
- [Genetic Predisposition to Disease](#)

- [Hematologic Diseases](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Liver Cirrhosis](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Testicular Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)