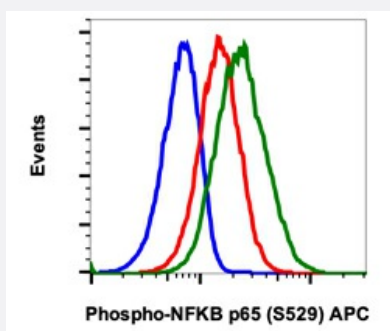


RecomAb™

# RELA recombinant monoclonal antibody, clone NFkBp65S529-H3 (APC)

Catalog # RAB03073      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of HeLa cells untreated and unstained as negative control (blue) or untreated (red) or treated with TNFa + calyculin A (green) and stained using Phospho-NFkB p65 (Ser529) antibody APC conjugate, NFkBp65S529-H3.

## Specification

|                            |                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit recombinant monoclonal antibody raised against human RELA.                                   |
| <b>Antibody Species</b>    | Rabbit                                                                                              |
| <b>Immunogen</b>           | A synthetic phospho-peptide corresponding to residues surrounding Ser529 of human phospho-NFK B p65 |
| <b>Reactivity</b>          | Human                                                                                               |
| <b>Form</b>                | Liquid                                                                                              |
| <b>Conjugation</b>         | APC                                                                                                 |
| <b>Purification</b>        | Protein A purification, Protein G purification                                                      |
| <b>Isotype</b>             | IgG                                                                                                 |
| <b>Recommend Usage</b>     | Flow Cytometry<br>The optimal working dilution should be determined by the end user.                |

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Buffer</b>      | In PBS (0.2% BSA, 0.09% Sodium azide)                                                                                  |
| <b>Storage Instruction</b> | Store at 4°C. Do not freeze.                                                                                           |
| <b>Note</b>                | 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 untreated and unstained as negative control (blue) or untreated (red) or treated with TNFα + calyculin A (green) and stained using Phospho-NFκB p65 (Ser529) antibody APC conjugate, NFκBp65S529-H3.

## Gene Info — RELA

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">5970</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Accession#</b> | <a href="#">Q04206</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>          | RELA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Alias</b>         | MGC131774, NFκB3, p65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Description</b>   | v-rel reticuloendotheliosis viral oncogene homolog A (avian)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Omim ID</b>            | <a href="#">164014</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary</b>       | 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-κappa-B proteins (NFκBIA, MIM 164008 or NFκBIB, MIM 604495), which inactivate NFκB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-κappa-B 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 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] |
| <b>Other Designations</b> | 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](#)