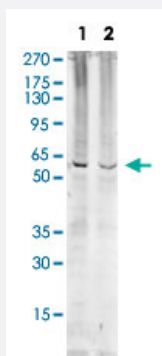


# RELA (phospho S529) monoclonal antibody, clone A2

Catalog # MAB21658      Size 200 uL

## Applications



### Western Blot (Cell lysate)

Western Blot analysis of NIH3T3 cell lysate with RELA (phospho S529) monoclonal antibody, clone A2 (Cat # MAB21658). Lane 1: untreated or Lane 2: treated with TNFa and calyculin A.

## Specification

|                            |                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic phosphopeptide of human RELA.    |
| <b>Immunogen</b>           | A synthetic phosphopeptide corresponding to residues surrounding S529 of human RELA. |
| <b>Host</b>                | Rabbit                                                                               |
| <b>Reactivity</b>          | Human                                                                                |
| <b>Form</b>                | Liquid                                                                               |
| <b>Purification</b>        | Protein A/G purification                                                             |
| <b>Isotype</b>             | IgG1, kappa                                                                          |
| <b>Recommend Usage</b>     | Western Blot<br>The optimal working dilution should be determined by the end user.   |
| <b>Storage Buffer</b>      | In PBS, pH 7.4 (50% glycerol, 0.1% BSA and 0.02% sodium azide).                      |
| <b>Storage Instruction</b> | Store at -20°C.<br>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

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## Gene Info — RELA

Entrez GeneID [5970](#)

Protein Accession# [Q04206](#)

Gene Name RELA

Gene Alias MGC131774, NFKB3, 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](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [HIV Infections](#)

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