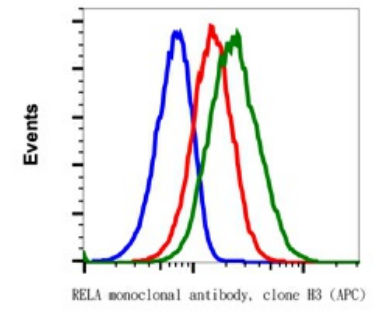
RELA (phospho S529) monoclonal antibody, clone H3 (APC)

Catalog # MAB23364 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of HeLa cells with RELA (phospho Ser529) monoclonal antibody, clone H3 (APC)(Cat # MAB23364). Unstained as negative control (blue) or untreated (red) or treated with TNFa + calyculin A (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human RELA.
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Ser529 of human phospho-NFK B p65
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	APC
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 uL/million cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% NaN_3, 0.2% BSA)
Storage Instruction	Store at 4°C. Do not freeze.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d 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 16 4008 or NFKBIB, MIM 604495), which inactivate NFKB by trapping it in the cytoplasm. Phosphory lation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB, MI M 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 k appa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-pri me (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 reticuloendothelios is 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

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- 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

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- Hodgkin Disease
- Liver Cirrhosis
- Lymphoproliferative Disorders
- Multiple Myeloma
- Occupational Diseases
- Testicular Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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