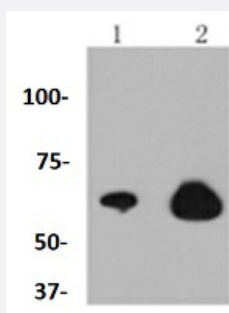


RecomAb™

RELA recombinant monoclonal antibody

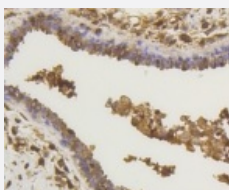
Catalog # RAB02717 Size 100 uL

Applications



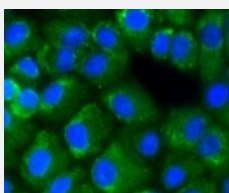
Western Blot (Cell lysate)

Western blot analysis of Lane1:MCF7 whole cell lysate Lane2:Hela whole cell lysate with RELA recombinant monoclonal antibody (Cat # RAB02717) at 1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using RELA recombinant monoclonal antibody (Cat # RAB02717). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of A549 cells using RELA recombinant monoclonal antibody (Cat # RAB02717)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against RELA.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant RELA.
Theoretical MW (kDa)	65
Reactivity	Human, Mouse, Zebra fish
Specificity	This antibody detects endogenous levels of NF-kB p65 and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane1:MCF7 whole cell lysate Lane2:Hela whole cell lysate with RELA recombinant monoclonal antibody (Cat # RAB02717) at 1:1000 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using RELA recombinant monoclonal antibody (Cat # RAB02717). Counter stained with hematoxylin.

- Immunocytochemistry

Immunocytochemical staining of A549 cells using RELA recombinant monoclonal antibody (Cat # RAB02717)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X-100/PBS.

- Immunofluorescence
- Flow Cytometry

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](#)