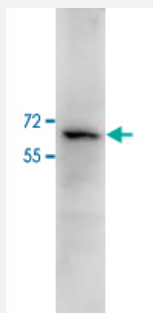


RELA monoclonal antibody, clone 27F9.G4

Catalog # MAB10259

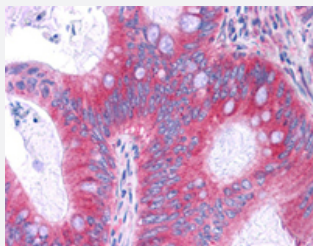
Size 100 ug

Applications



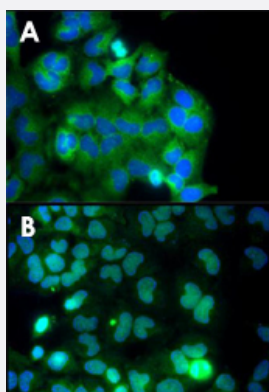
Western Blot (Cell lysate)

Western blot analysis of HeLa cells with RELA monoclonal antibody, clone 27F9.G4 (Cat # MAB10259) at 1:1000 dilution.



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

Immunohistochemical staining of formalin-fixed paraffin-embedded human colon carcinoma with RELA monoclonal antibody, clone 27F9.G4 (Cat # MAB10259).



Immunofluorescence

Immunofluorescence staining of HeLa cells with RELA monoclonal antibody, clone 27F9.G4 (Cat # MAB10259) at 1:5000 dilution.

Specification

Product Description

Mouse monoclonal antibody raised against synthetic peptide of RELA.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human RELA.
Host	Mouse
Theoretical MW (kDa)	65
Reactivity	Human
Specificity	This product showed a single band by IEP (immunoelectrophoresis) when tested with anti-mouse antibody. Reactivity was confirmed by ELISA against peptide conjugated carrier protein and by Western blot against HeLa whole cell lysate.
Form	Liquid
Purification	Protein A purification
Recommend Usage	Western Blot (1:1000) IHC (1:200-1:600) IF (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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

- Western Blot (Cell lysate)

Western blot analysis of HeLa cells with RELA monoclonal antibody, clone 27F9.G4 (Cat # MAB10259) at 1:1000 dilution.

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

Immunohistochemical staining of formalin-fixed paraffin-embedded human colon carcinoma with RELA monoclonal antibody, clone 27F9.G4 (Cat # MAB10259).

- Immunofluorescence

Immunofluorescence staining of HeLa cells with RELA monoclonal antibody, clone 27F9.G4 (Cat # MAB10259) at 1:5000 dilution.

Gene Info — RELA

Entrez GeneID

[5970](#)

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](#)
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- [Occupational Diseases](#)
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- [Werner syndrome](#)