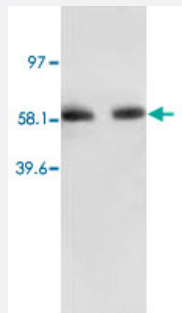


RELA polyclonal antibody

Catalog # PAB12295 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western Blot analysis of RELA expression from human colon carcinoma lysate with RELA polyclonal antibody (Cat # PAB12295).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RELA.
Immunogen	A synthetic peptide corresponding to amino acids at N-terminus of human RELA.
Host	Rabbit
Theoretical MW (kDa)	60
Reactivity	Human
Specificity	Identical to the related rat and mouse sequence.
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)

Storage Instruction

Store at -20°C on dry atmosphere.

After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower.

Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of RELA expression from human colon carcinoma lysate with RELA polyclonal antibody (Cat # PAB12295).

Gene Info — RELA

Entrez GeneID[5970](#)**GeneBank Accession#**[BC033522](#)**Protein Accession#**[AAH33522](#)**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 GGGRNYYCC 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

Publication Reference

- [Activation of the transcription factor NF-kappaB in Schwann cells is required for peripheral myelin formation.](#)

Nickols JC, Valentine W, Kanwal S, Carter BD.

Nature Neuroscience 2003 Feb; 6(2):161.

Application: IHC-P, IS, GSA, Rat, Sciatic nerves, Schwann cells

- [Phosphorylation of NF-kappa B p65 by PKA stimulates transcriptional activity by promoting a novel bivalent interaction with the coactivator CBP/p300.](#)

Zhong H, Voll RE, Ghosh S.

Molecular Cell 1998 Apr; 1(5):661.

Application: IP, WB-Tr, Mouse, Monkey, 70Z/3, COS cells

- [Genomic organization of the gene encoding the p65 subunit of NF-kappa B: multiple variants of the p65 protein may be generated by alternative splicing.](#)

Deloukas P, van Loon AP.

Human Molecular Genetics 1993 Nov; 2(11):1895.

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](#)