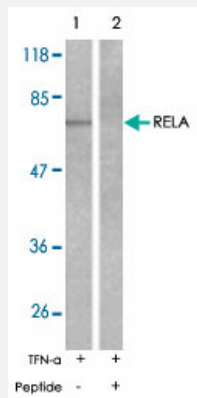


RELA polyclonal antibody

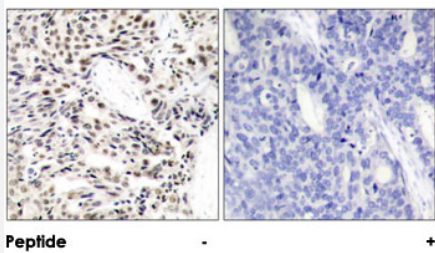
Catalog # PAB26757 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from MDA-MB-231 cells untreated or treated with TNF-alpha (20 ng/mL, 15 min) using RELA polyclonal antibody (Cat # PAB26757).



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using RELA polyclonal antibody (Cat # PAB26757).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RELA.
Immunogen	A synthetic peptide corresponding to residues surrounding S529 of human RELA.
Sequence	L-L-Sp-G-D
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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 extracts from MDA-MB-231 cells untreated or treated with TNF-alpha (20 ng/mL, 15 min) using RELA polyclonal antibody (Cat # PAB26757).

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using RELA polyclonal antibody (Cat # PAB26757).

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](#)
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- [Multiple Myeloma](#)
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- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)