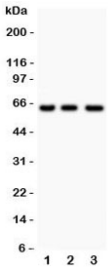
RELA Antibody NF-kB p65 (R31513)

Catalog No.	Formulation	Size
R31513	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	4790
Applications	Western Blot : 0.5-1ug/ml
Limitations	This RELA antibody is available for research use only.



Western blot testing of RELA antibody and human samples 1: Jurkat; 2: COLO320; 3: HeLa lysate. Expected molecular weight ~65 kDa.

Description

Transcription factor p65, also known as NFKB3 or NF-kB p65, is a protein that in humans is encoded by the RELA gene. It is mapped to 11q13.1. RELA is an essential transcription factor complex involved in all types of cellular processes, including cellular metabolism, chemotaxis, etc, and it may play a role in inflammatory conditions of the peripheral nervous system. Phosphorylation and acetylation of RELA are crucial post-translational modifications required for NFkB activation. It has also been shown to modulate immune responses, and activation of the protein is positively associated with multiple types of cancer. In addition, RELA antagonizes TNFR1-JNK proliferative signals in epidermis and plays a nonredundant role in restraining epidermal growth.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RELA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 99-551) was used as the immunogen for this RELA antibody.

Storage

After reconstitution, the RELA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.