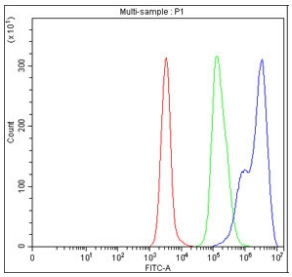
NF-kB p65 Antibody / RELA (RQ8772)

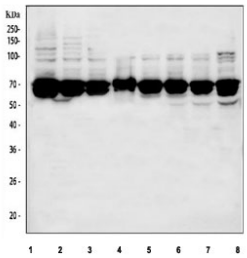
Catalog No.	Formulation	Size
RQ8772	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q04206
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This NF-kB p65 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human Daudi cells with NF-kB p65 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NF-kB p65 antibody.



Western blot testing of 1) human HeLa, 2) human HepG2, 3) human Caco-2, 4) human Raji, 5) rat PC-12, 6) rat C6, 7) mouse NIH 3T3 and 8) mouse Ana-1 cell lysate with NF-kB p65 antibody. 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. NFKB 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 NFKB3 are crucial post-translational modifications required for NFKB activation. It has also been shown to modulate immune responses, and activation of NFKB3 is positively associated with multiple types of cancer. In addition to that, NFKB3 antagonizes TNFR1-JNK proliferative signals in epidermis and plays a nonredundant role in restraining epidermal growth.

Application Notes

Optimal dilution of the NF-kB p65 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids Q132-S551) was used as the immunogen for the NF-kB p65 antibody.

Storage

After reconstitution, the NF-kB p65 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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