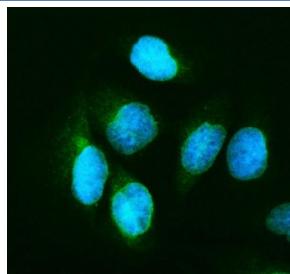


## p65 Antibody / NF-κB (R30754)

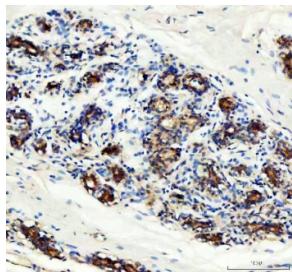
Catalog No.	Formulation	Size
R30754	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

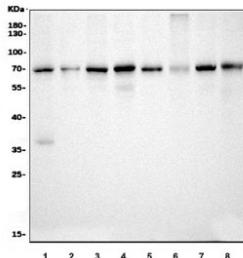
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q04206
<b>Localization</b>	Cytoplasmic, nuclear
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Immunofluorescence : 5ug/ml
<b>Limitations</b>	This p65 antibody is available for research use only.



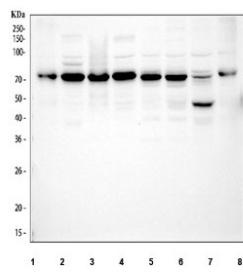
Immunofluorescent staining of FFPE human U-2 OS cells with p65 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human breast cancer tissue with p65 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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 p65 antibody. Expected molecular weight ~65 kDa.



Western blot testing of 1) human HT-1080, 2) human HeLa, 3) human Raji, 4) human HepG2, 5) rat PC-12, 6) rat C6, 7) mouse NIH 3T3 and 8) mouse ANA-1 cell lysate with p65 antibody. Expected molecular weight ~65 kDa.

## Description

RELA, also called NFKB3 or NFKB, p65 subunit is part of the NF- $\kappa$ B complex. The complex is inhibited by I- $\kappa$ -B proteins, which inactivates NF $\kappa$ B by trapping it in the cytoplasm. The p65 heterodimer is the most abundant form of NF- $\kappa$ B. It is a nonhistone substrate of HDAC3 and that IKBA-dependent nuclear export of the HDAC3-deacetylated RELA replenishes the depleted cytoplasmic pool of latent NFKB-IKBA complexes for subsequent NF- $\kappa$ B responses. Its nucleocytoplasmic redistribution coincided with export of PPARG, and immunoprecipitation analysis indicated that PPARG-RELA association was dependent on the PPARG C-terminal ligand-binding domain. IKK-dependent phosphorylation of RELA on Ser468 enhanced binding of GCN5 to RELA and its ubiquitination.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the p65 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. HIER: steaming with pH6 citrate buffer is required for FFPE testing.

## Immunogen

An amino acid sequence from the middle region of the human protein (VPIEEQRG DYDLNAVR) was used as the immunogen for this p65 antibody (100% homologous in human, mouse and rat).

## Storage

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

