Rabbit anti NF-κB p65(pS276) Polyclonal Antibody

Alternative Name(s): nuclear factor kappa B subunit p65; NFkB

Order Information

- **Description:** NF-κB p65(pS276)
- **Catalogue:** 500-11914
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB, IP
- **Reactivity:** Hu, Ms

ANTIGEN PREPARATION

A synthetic peptide corresponding to the epitope containing a phosphorylation site Ser 276 of human NFkB/p65 protein. This sequence is identical within human and mouse.

BACKGROUND

NFkB is a heterodimer that consists of a 50 kDa DNA binding subunit (p50/NFkB1)) and a 65 kDa transactivation subunit (p65/RelA). Both of these subunits exhibit sequence homology to the proto-oncogene c-Rel. The p50 has an isoform called p49/p52, and both proteins are derived from the amino-terminal of precursor protein p105 and p100. The p50/p65 heterodimer remains in the cytosol in an inactive form as a complex with its inhibitor, IkB. Upon stimulation of cells by a wide variety of stimuli such as lipopolysaccharide (LPS), pro-inflammatory cytokines (IL-1 & TNF, etc.), and viral infection, IkB is phosphorylated and degraded by proteosome. The active NFkB heterodimer is translocated into the nucleus and induces gene expression.The inhibition of p53 activity is dependent upon phosphorylation of p65 (RelA) at S536 by the upstream kinase IKK beta.

PURIFICATION

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes NFkB p65 with the phosphorylation site Ser276. It does not cross-react with non-phosphospecific peptide.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

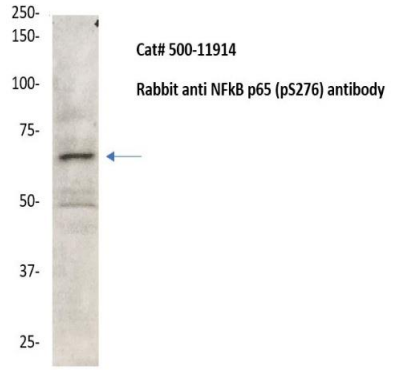
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: Not tested
- Flow cytometry: Not tested
- Molecular Weight: 65.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

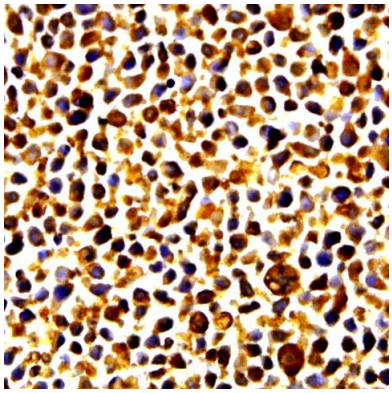
AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

DATA ATTACHMENTS



Western Blot: The whole lysate derived from Hela (20 ug/lane) immunoblotted by Rabbit anti – NFkBp65(pS276) (Cat# 500-11914) at 1:500. Observed a major immunoreactive band at molecular weight ~65kDa.



Immunohistochemistry: The whole cell pallet Hela (FFPE) stained with Rabbit anti-NFkBp65(pS276) (Cat# 500-11914) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue section in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com