

**NFκB-p65 (phospho Ser468) rabbit pAb****Cat#: orb764244 (Manual)**

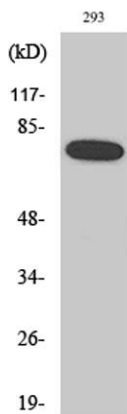
For research use only. Not intended for diagnostic use.

|                                 |  |
|---------------------------------|--|
| <b>Product Name</b>             | NFκB-p65 (phospho Ser468) rabbit pAb   |
| <b>Host species</b>             | Rabbit   |
| <b>Applications</b>             | WB;IHC;IF;IP;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat;Pig  |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunoprecipitation: 2-5 ug/mg lysate. ELISA: 1/20000. Not yet tested in other applications.  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human NF-κappaB p65 around the phosphorylation site of Ser468. AA range:435-484  |
| <b>Specificity</b>              | Phospho-NFκB-p65 (S468) Polyclonal Antibody detects endogenous levels of NFκB-p65 protein only when phosphorylated at S468.  |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.   |
| <b>Protein Name</b>             | Transcription factor p65   |
| <b>Gene Name</b>                | RELA   |
| <b>Cellular localization</b>    | Nucleus . Cytoplasm . Nuclear, but also found in the cytoplasm in an inactive form complexed to an inhibitor (I-κappa-B) (PubMed:1493333). Colocalized with DDX1 in the nucleus upon TNF-alpha induction (PubMed:19058135). Colocalizes with GFI1 in the nucleus after LPS stimulation (PubMed:20547752). Translocation to the nucleus is impaired in L.monocytogenes infection (PubMed:20855622). . |

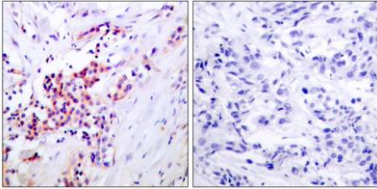
|                                |  |
|--------------------------------|--|
| <b>Purification</b>            | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| <b>Clonality</b>               | Polyclonal   |
| <b>Concentration</b>           | 1 mg/ml  |
| <b>Observed band</b>           | 60kD   |
| <b>Human Gene ID</b>           | 5970   |
| <b>Human Swiss-Prot Number</b> | Q04206   |
| <b>Alternative Names</b>       | RELA; NFKB3; Transcription factor p65; Nuclear factor NF-kappa-B p65 subunit; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 |

## Background

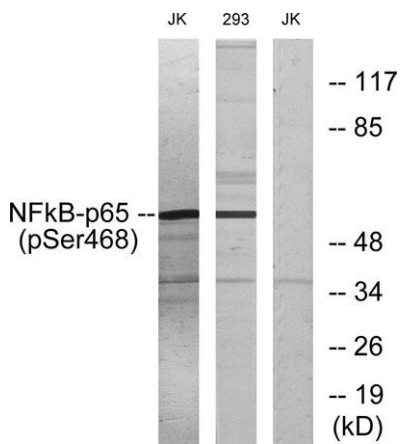
NF-kappa-B is a ubiquitous transcription factor involved in several biological processes. It is held in the cytoplasm in an inactive state by specific inhibitors. Upon degradation of the inhibitor, NF-kappa-B moves to the nucleus and activates transcription of specific genes. NF-kappa-B is composed of NFKB1 or NFKB2 bound to either REL, RELA, or RELB. The most abundant form of NF-kappa-B is NFKB1 complexed with the product of this gene, RELA. Four transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011],



**Western Blot analysis of various cells using Phospho-NFκB-p65 (S468) Polyclonal Antibody diluted at 1:1000**



**Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using NF-kappaB p65 (Phospho-Ser468) Antibody. The picture on the right is blocked with the phospho peptide.**



**Western blot analysis of lysates from Jurkat cells and 293 cells, using NF-kappaB p65 (Phospho-Ser468) Antibody. The lane on the right is blocked with the phospho peptide.**