NF kappa B / p65 (Rel A) Ab-1
Rabbit Polyclonal Antibody
Cat. #RB-1638-P0,-P1, or -P (0.1ml, 0.5ml, or 1.0ml at 1.0mg/ml) (Purified Ab with BSA and Azide)
Cat. #RB-1638-P1ABX or -PABX (0.5ml or 1.0ml at 1.0mg/ml) (Purified Ab without BSA and Azide)
Cat. #RB-1638-R7 (7.0ml) (Ready-to-Use for Immunohistochemical Staining)
Cat. #RB-1638-PCS (5 Slides) (Positive Control for Histology)
Cat. #RB-1638-PCL (0.1ml) (Positive Control for Western Blot)

Description: NF kappa B is a heterodimer consisting of a 50kDa DNA binding subunit and a 65kDa transactivating subunit (RelA). The p50/p65 heterodimer is present in the cytoplasm in inactive form bound to its inhibitor, IκB. Upon stimulation of cells with stimuli like LPS, Interleukin-1, IκB gets phosphorylated and degraded by proteosomes releasing the activated NFκB which goes to the nucleus inducing gene expression. NFκB was originally identified as transcriptional activator for kappa light chain gene in B cells.

Mol. Wt. of Antigen: 65kDa

Epitope: C-terminal

Species Reactivity: Human, Mouse, Rat, Hamster, Rabbit, Cow, Pig, Dog, Drosophila, Xenopus. Others-not known.

Immunogen: A synthetic peptide from the C-terminus of human NF kappa B protein.

Applications and Suggested Dilutions:
- Western Blotting (Ab 5-10µg/ml for 2 hrs at RT)
- Immunohistology (Formalin/paraffin) (Use Ab at 1:50-100 for 20 min at RT using the LP system, for 60 minutes at RT using the UltraVision detection systems)
- Staining tips: If the staining is too light, use lower dilution or longer time.
- If the staining is too strong, use higher dilution or shorter time.
- The optimal dilution for a specific application should be determined by the investigator.

Positive Control: Jurkat cells. Placenta

Cellular Localization: Cytoplasmic

Storage and Stability: Ab with sodium azide is stable for 24 months when stored at 2-8°C. Antibody WITHOUT sodium azide is stable for 36 months when stored at below 0°C.

Supplied As: Total IgG purified from rabbit antisem by Protein A chromatography. Prepared at 1mg/ml in 10mM PBS, pH 7.4, with 0.2% BSA & 0.09% sodium azide. Also available without BSA and azide at 1mg/ml, or Prediluted antibody which is ready-to-use for staining of formalin-fixed, paraffin-embedded tissues.

Suggested References:

Limitations and Warranty:
Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products.

Material Safety Data:
This product is not licensed or approved for administration to humans or to animals other than the experimental animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion. The material contains 0.09% sodium azide as a preservative. Although the quantity of azide is very small, appropriate care should be taken when handling this material as indicated above. The National Institute of Occupational Safety and Health has issued a bulletin citing the potential explosion hazard due to the reaction of sodium azide with copper, lead, brass, or solder in the plumbing systems. Sodium azide forms hydrazoic acid in acidic conditions and should be discarded in...
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a large volume of running water to avoid deposits forming in
metal drainage pipes.

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