

Rabbit Anti-NF-κB p65 [MD35R]: RM0338, RM0338RTU7

Intended Use: For Research Use Only

Description: Transcription factors of the nuclear factor κ B (NF-κB)/Rel family play a pivotal role in inflammatory and immune responses. There are five family members in mammals: RelA, c-Rel, RelB, NF-κB1 (p105/p50), and NF-κB2 (p100/p52). Both p105 and p100 are proteolytically processed by the proteasome to produce p50 and p52, respectively. Rel proteins bind p50 and p52 to form dimeric complexes that bind DNA and regulate transcription. In unstimulated cells, NF-κB is sequestered in the cytoplasm by IκB inhibitory proteins. NF-κB-activating agents can induce the phosphorylation of IκB proteins, targeting them for rapid degradation through the ubiquitin-proteasome pathway and releasing NF-κB to enter the nucleus where it regulates gene expression. NIK and IKKα (IKK1) regulate the phosphorylation and processing of NF-κB2 (p100) to produce p52, which is then translocated to the nucleus.

Specifications

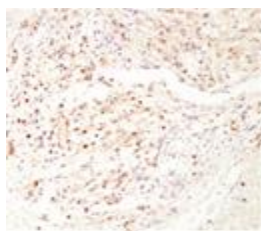
Clone: MD35R
 Source: Rabbit
 Isotype: IgG2a
 Reactivity: Human, mouse, rat, monkey, dog
 Localization: Nucleus, cytoplasm
 Formulation: Purified antibody in PBS pH7.4, containing 0.2% BSA and 0.09% sodium azide (NaN3)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., CHIP, ICC/IF, WB
 Package:

Description	Catalog No.	Size
NF-κB p65 Concentrated	RM0338	1 ml
NF-κB p65 Prediluted	RM0338RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Breast cancer
 Concentrated Dilution: 50-100
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human chronic cholecystitis stained with anti-NF κB using DAB

References:

1. Acute High-Intensity Interval Exercise-Induced Redox Signaling Is Associated with Enhanced Insulin Sensitivity in Obese Middle-Aged Men. Parker L. et al. In *Frontiers in Physiology* on 4 October 2016.
2. Neuroprotective effects of sodium hydrosulfide against β-amyloid-induced neurotoxicity. Li, X. H., et al. In *International Journal of Molecular Medicine* on 1 October 2016.
3. Receptor for advanced glycation endproducts signaling cascades are activated in pancreatic fibroblasts, but not in the INS1E insulinoma cell line: Are mesenchymal cells major players in chronic inflammation? Tago, K., et al. In *Islets* on 2 September 2016.