Anti-NFκB, p50 Antibody

ORDERING INFORMATION

Catalog No.: 12508-25 25ug
12508-100 100ug

Size: Rabbit IgG in borate-buffered saline, pH 8.2, purified by immunoaffinity chromatography.

BACKGROUND

Nuclear factor kappaB (NFkappaB) was identified as a sequence specific transcriptional activator that binds to the intronic enhancer of the kappa light chain gene in B lymphocytes. NFkappaB is a heterodimer that consists of a 50 kDa DNA binding subunit (p50) and a 65 kDa transactivation subunit (p65/RelA). The p50/p65 heterodimer remains in the cytosol in an inactive form as a complex with its inhibitor, IkappaB. Upon stimulation of cells by a wide variety of stimuli such as lipopolysaccharide (LPS), pro-inflammatory cytokines, and viral infection, NFkappaB is phosphorylated and degraded by the proteosome. The active NFkappaB heterodimer is translocated into the nucleus and induces gene expression.

SPECIFICATION SUMMARY

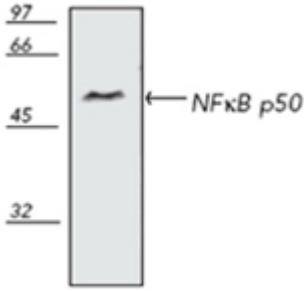
Immunogen: Synthetic peptide corresponding to aa 4-21 of mouse NFκB p50.
Host Species: Rabbit
Stabilizers: 50% glycerol
Preservatives: 0.09% sodium azide

SPECIFICITY

This antibody recognizes mouse and rat NF-κB p50. Detects a band of ~50kDa in Western blot.

APPLICATIONS

Immunoblotting: use at 0.5-1.0ug/ml.



Western blot analysis of NFκB in rat spleen tissue lysate with NFκB antibody at 0.5ug/ml.

Positive control: Rat spleen tissue lysate.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

QED Bioscience, Inc.
10919 Technology Place, Suite C
San Diego, CA 92127

Toll Free 800.929.2114
Phone 858.675.2405
Fax 858.592.1509
info@qedbio.com