

Product datasheet for **TA327985**

NFKB1 Mouse Monoclonal Antibody [Clone ID: 4D1]

Product data:

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|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 4D1 |
| Applications: | WB |
| Recommended Dilution: | WB, IF |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1, kappa |
| Clonality: | Monoclonal |
| Immunogen: | recombinant full-length human NF- κ B p50 |
| Formulation: | This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Final antibody concentration is 0.5 mg/ml. |
| Concentration: | lot specific |
| Purification: | The antibody was purified by affinity chromatography. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | nuclear factor kappa B subunit 1 |
| Database Link: | NP_003989 Entrez Gene 4790 Human P19838 |



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Background:

NF- κ B/p50 (nuclear factor kappa light chain enhancer in B cells p50, NF- κ B1) is a member of the Rel/dorsal family. This ubiquitously expressed nuclear protein is one subunit of the NF- κ B complex consisting of a 65 kD transactivating subunit and a 50 kD DNA binding subunit. Both subunits are derived from larger precursor proteins. NF- κ B acts as a transcriptional activator and was originally identified as an activator of kappa light chain in B cells. NF- κ B/p50 is bound (with p65) to I κ B inhibitor in cytoplasm in inactive form. Phosphorylation of I κ B releases and NF- κ B which goes to the nucleus to activate gene expression. NF- κ B can be activated with LPS, TNF- α , phorbol ester, or IL-1. The 4D1 monoclonal antibody reacts with human NF- κ B p50 and has been shown to be useful for Western blotting.

Synonyms:

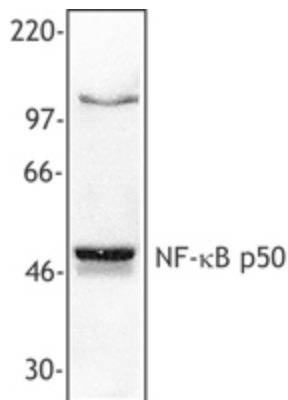
CVID12; EBP-1; KBF1; NF-kappa-B; NF-kappaB; NF-kB1; NFkappaB; NFKB-p50; NFKB-p105; p50; p105

Protein Families:

Druggable Genome, Transcription Factors

Protein Pathways:

Acute myeloid leukemia, Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, Metabolic pathways, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

Product images:

MOLT4 cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with mouse anti-NF- κ B p50 antibody (clone 4D1). Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.