



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to NFKB1

Catalog Number: MAB-606030224

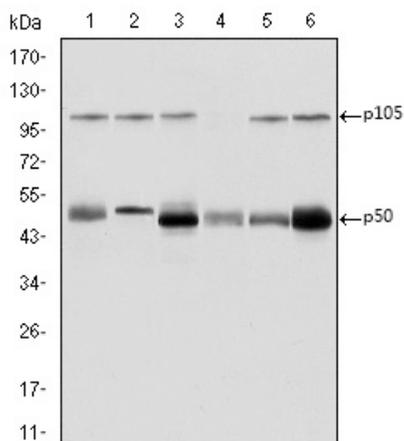


Figure 1: Western blot analysis using NFKB1 mouse mAb against K562 (1), Jurkat (2), A431 (3), Hela (4), THP-1 (5) and MCF-7 (6) cell lysate.

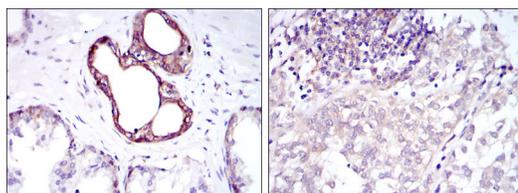


Figure 2: Immunohistochemical analysis of paraffin-embedded prostate tissues (left) and bladder cancer tissues (right) using NFKB1 mouse mAb with DAB staining.

Lot#: 5D10
Clone#: 5D10
Host and isotype: Mouse IgG2a
Size: 0.1ml
MW: 50kDa/105kDa
Aliases: p50; KBF1; p105; EBP-1; MGC54151; NFKB-p50; NFkappaB; NF-kappaB; NFKB-p105; NF-kappa-B
Entrez Gene: 4790
Species reactivity: Human

Description This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene.

Immunogen Purified recombinant fragment of human NFKB1 expressed in E. Coli.

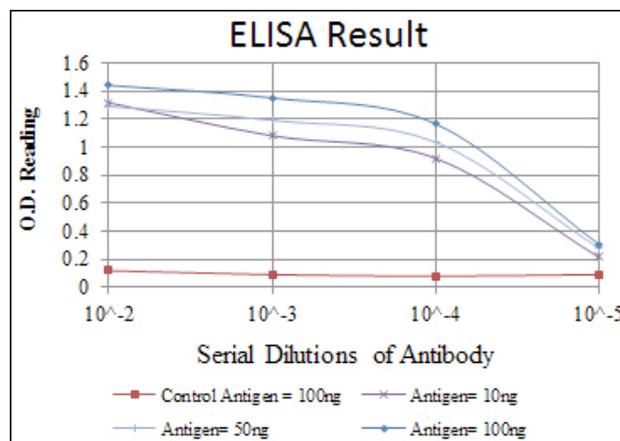
Application Western Blotting: 1/500 - 1/2000.
Immunohistochemistry: 1/200 - 1/1000.
Flow cytometry: 1/200 - 1/400.
ELISA: Propose dilution 1/10000.
Not yet tested in other applications.
Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product References

1. Cytokine. 2010 Feb;49(2):215-20.
2. Chemotherapy. 2009;55(5):381-5.



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