

NF Kappa B-p105/p50 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0111
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human NFκB-p105/p50 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Nuclear factor NF-kappa-B p108 subunit
Synonyms	NFKB1; Nuclear factor NF-kappa-B p105 subunit; DNA-binding factor KBF1; EBP-1; Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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. Alternative splicing results in multiple transcript variants encoding different isof

Recommended Dilution

FC: 1:200 - 1:400

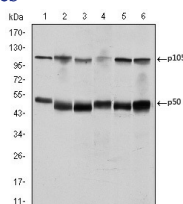
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

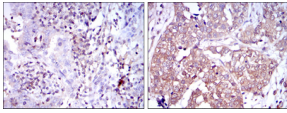
WB: 1:500 - 1:2000

Not yet tested in other applications.

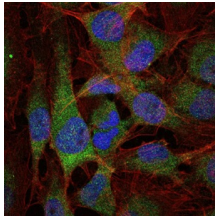
Images



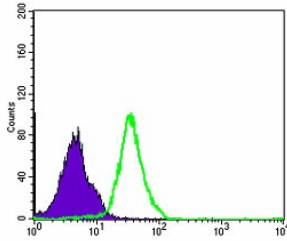
Western Blot analysis using NF kappa B-p105/p50 Monoclonal antibody against K562 (1) Jurkat (2) A431 (3) HeLa (4) THP-1 (5) and MCF-7 (6) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human intima cancer tissues (left) and human bladder cancer tissues (right) with DAB staining using NF kappa B-p105/p50 Monoclonal antibody.



Immunofluorescence analysis of U251 cells using NF kappa B-p105/p50 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of MCF-7 cells using NF kappa B-p105/p50 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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