

## NFIB/NF1B2 monoclonal antibody

Catalog: MB9384

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

NF-1, also designated CTF, consists of a family of CCAAT box binding proteins that stimulate DNA replication and activate transcription. Analysis of human NF-1 messenger RNA has revealed two forms of the NF-1 protein arising from an alternate splicing of a single NF-1 gene. NF-1 binds its consensus DNA element as a homodimer via an amino-terminal DNA binding domain, and activates transcription through a putatively novel, proline-rich, carboxy terminal transactivation domain. The NF-1 protein has been shown to recognize and bind the adenovirus type 2 promoter and activate transcription of herpes simplex virus thymidine kinase genes. The NF-1 consensus element has been found in the upstream promoter region of myriad eukaryotic genes, including that of Ha-Ras,  $\alpha$ -globin, HSP 70, GRP 78, Histone H1, myelin basic protein and in the *Xenopus laevis* vitellogenin gene promoter.

### Product:

Mouse IgG2b, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

47 kDa

### Swiss-Prot:

O00712(Human) P97863(Mouse)

### Purification&Purity:

Protein affinity purified.

### Applications:

IHC:1:50-1:200

FC:1:50-1:100

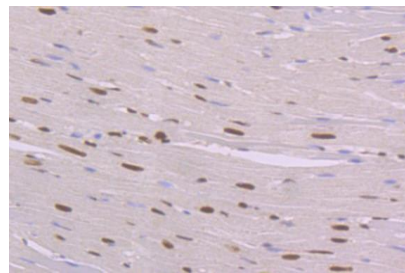
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

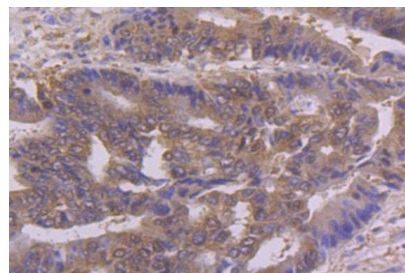
### Specificity:

NFIB/NF1B2 monoclonal antibody detects endogenous levels of NFIB/NF1B2 protein.

### DATA:



Immunohistochemical analysis of paraffin-embedded rat heart tissue using anti-NFIB/NF1B2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-NFIB/NF1B2 antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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