

## HNF1B monoclonal antibody

Catalog: MB23420

Host: Mouse

Reactivity: Human, Mouse, Rat

### Background:

This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

61.3kDa

### Swiss-Prot:

P35680

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/50 - 1/200  
FC:1/200 - 1/400

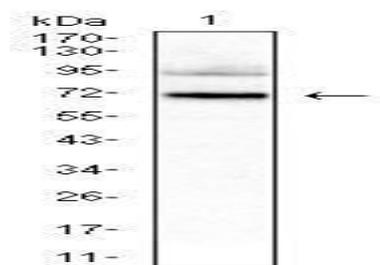
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

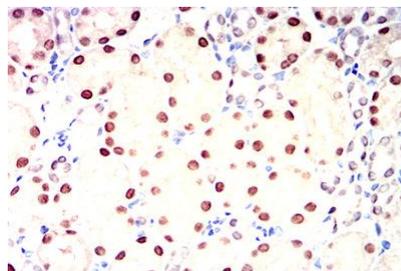
### Isotype:

Mouse IgG2a

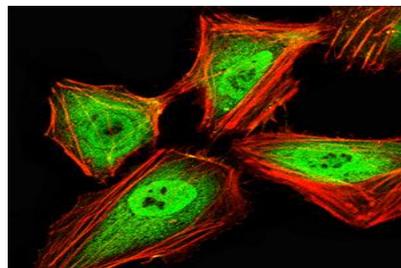
### DATA:



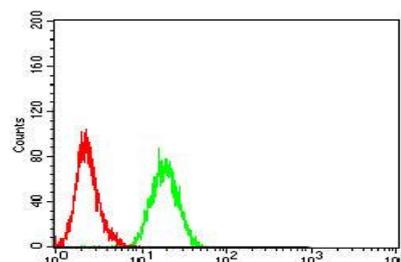
Western blot analysis using HNF1B mouse mAb against HeLa (1) cell lysate.



Immunohistochemical analysis of paraffin-embedded rat kidney tissues using HNF1B mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using HNF1B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

Flow cytometric analysis of PC-3 cells using HNF1B mouse mAb  
(green) and negative control (red).

**Note:**

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

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