Product Name: **HNF1B Mouse Monoclonal Antibody**
Catalog #: **AMM82944**
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC,ELISA,FC
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:50-1:200,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	61.3kDa

Antigen Information

Gene Name	HNF1B
Alternative Names	T2D; FJHN; HNF2; LFB3; RCAD; TCF2; HPC11; LF-B3; MODY5; TCF-2; VHNF1; ADTKD3; HNF-1B; HNF1beta; HNF-1-beta
Gene ID	6928.0
SwissProt ID	P35680
Immunogen	Purified recombinant fragment of human HNF1B (AA: 23-132) expressed in E. Coli.

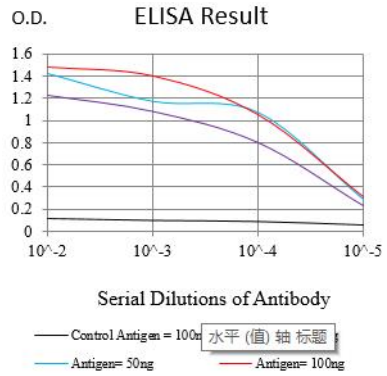
Background

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

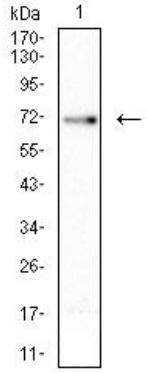
to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

Research Area

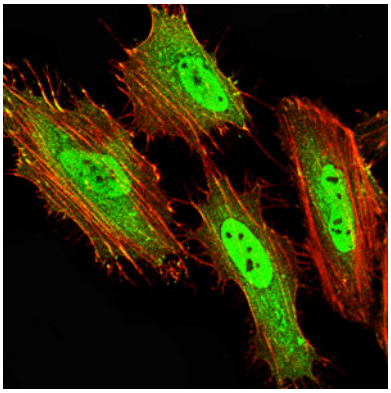
Image Data



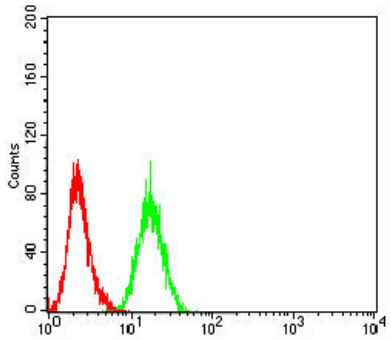
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



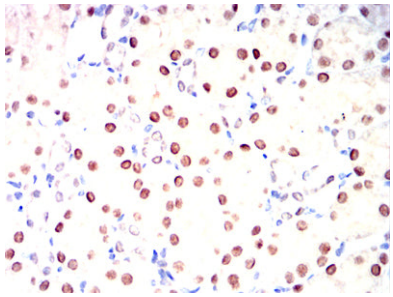
Western blot analysis using HNF1B mouse mAb against Hela (1) cell lysate.



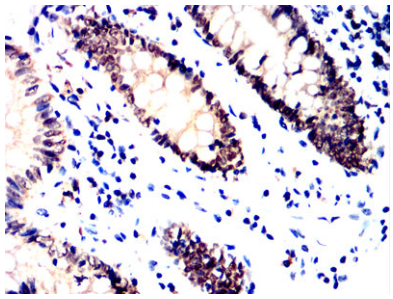
Immunofluorescence analysis of Hela cells using HNF1B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



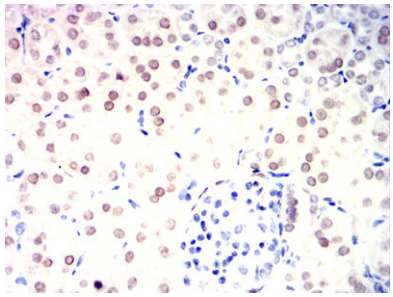
Flow cytometric analysis of PC-3 cells using HNF1B mouse mAb (green) and negative control (red).



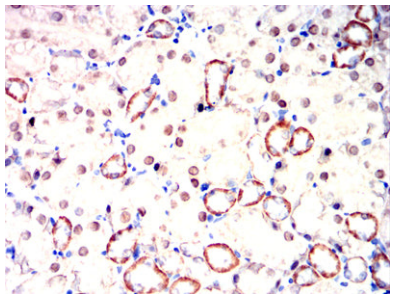
Immunohistochemical analysis of paraffin-embedded rat kidney tissues using HNF1B mouse mAb with DAB staining.



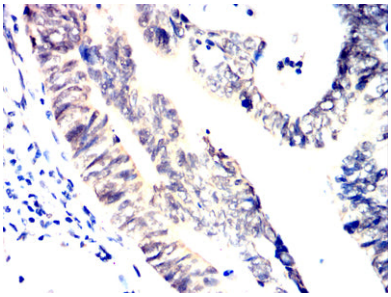
Immunohistochemical analysis of paraffin-embedded human colon tissues using HNF1B mouse mAb with DAB staining.



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



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



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using HNF1B mouse mAb with DAB staining.