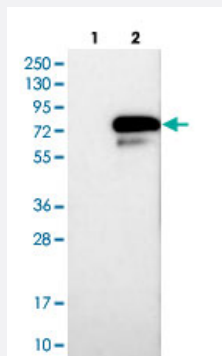


HNF1B polyclonal antibody

Catalog # PAB28567 Size 100 uL

Applications

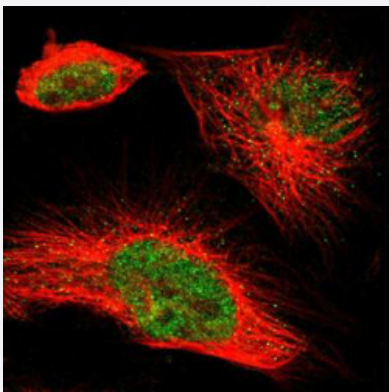


Western Blot (Transfected lysate)

Western blot analysis of HEK293T cell lysate using HNF1B polyclonal antibody (Cat # PAB28567).

Lane 1: Negative control (vector only)

Lane 2: Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa))



Immunofluorescence

Immunofluorescence of U-251 MG cell line with HNF1B polyclonal antibody (Cat # PAB28567) shows positivity in nucleus but not nucleoli.

Fixation/Permeabilization: PFA/Triton X-100

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant HNF1B.
Immunogen	Recombinant protein corresponding to human HNF1B.
Sequence	KEVLVQALEELLPSNFGVKLETLPSPGSGAEPDTKPVFHTLTNGHAKGRLSGDEGSEDGDDY DTPPIKELQALNTEEAQAEVDRMLSEDPWRAAKMIKGYMQQH
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:250-1:500) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Immunofluorescence (1-4 ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — HNF1B

Entrez GeneID	6928
Protein Accession#	E0YMJ9
Gene Name	HNF1B
Gene Alias	FJHN, HNF1beta, HNF2, HPC11, LF-B3, LFB3, MODY5, TCF2, VHNF1
Gene Description	HNF1 homeobox B
Omim ID	125853 137920 189907
Gene Ontology	Hyperlink

Gene Summary

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.

Other Designations

transcription factor 2|transcription factor 2, hepatic|transcription factor 2, hepatic; LF-B3; variant hepatocyte nuclear factor

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Birth Weight](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [HIV Infections](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)

- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Vesico-Ureteral Reflux](#)
- [Wasting Syndrome](#)