

Rabbit Anti-HNF1 Beta/TCF2 [EPR18644-37]: RM0250, RM0250RTU7

Intended Use: For Research Use Only

Description: HNF1 homeobox B (hepatocyte nuclear factor 1 homeobox B), also known as HNF1B or transcription factor 2 (TCF2), is a human gene. It is a member of the homeodomain-containing superfamily of transcription factors. This gene is mapped to 17q12. The HNF1B protein is believed to form heterodimers with another liver-specific member of this transcription factor family, TCF1. HNF1B functions as both a classic transcriptional activator and as a bookmarking factor that marks target genes for rapid transcriptional reactivation after mitosis. HNF1B also can regulate renal tubulogenesis by controlling expression of SOC3. Mutation of HNF1B that disrupts normal function has been identified as the cause of MODY5 (Maturity-Onset of Diabetes, Type 5).

Specifications:

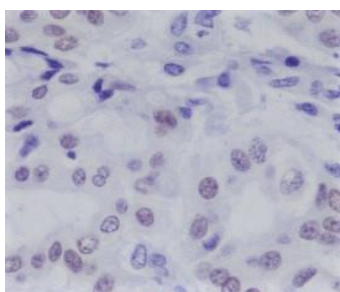
Clone: EPR18644-37
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Localization: Nucleus
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

Description	Catalog No.	Size
HNF1 Beta/TCF2 Concentrated	RM0250	1 ml
HNF1 Beta/TCF2 Prediluted	RM0250RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Liver, liver bile duct carcinoma and ovarian clear cell carcinoma tissues
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human bile duct carcinoma stained with anti-HNF1B using DAB

References:

1. Expression of bile duct transcription factor HNF1 β predicts early tumor recurrence and is a stage-independent prognostic factor in hepatocellular carcinoma. Yuan RH et al. J Gastrointest Surg., 2014.
2. HNF1 β and S100A1 are useful biomarkers for distinguishing renal oncocytoma and chromophobe renal cell carcinoma in FNA and core needle biopsies. Conner JR et al. Cancer Cytopathol. 2015.
3. Expression patterns of candidate susceptibility genes HNF1 β and CtBP2 in prostate cancer: association with tumor progression. Debiais-Delpech C et al. Urol Oncol. 2014.

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Rev. A