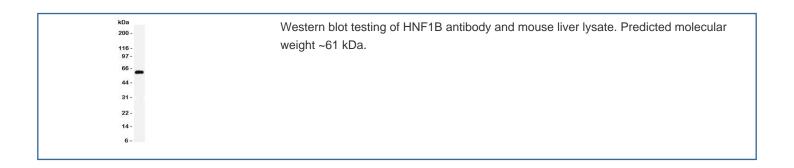


# HNF1B Antibody (R31391)

Catalog No.	Formulation	Size
R31391	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P35680
Applications	Western Blot : 0.5-1ug/ml
Limitations	This HNF1B antibody is available for research use only.



## **Description**

Hepatocyte nuclear factor 1 homeobox B, also known as Transcription factor 2 (TCF2), is a human gene. It is a member of the homeodomain-containing superfamily of transcription factors. The HNF1B protein is believed to form heterodimers with another liver-specific member of this transcription factor family, TCF1. It 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. A mutation of the protein that disrupts normal function has been identified as the cause of MODY5 (Maturity-Onset of Diabetes, Type 5).

# **Application Notes**

The stated application concentrations are suggested starting amounts. Titration of the HNF1B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

### **Immunogen**

An amino acid sequence from the C-terminus of human Hepatocyte nuclear factor 1 homeobox B (HMAQQPFMAAVTQLQN) was used as the immunogen for this HNF1B antibody (100% homologous in human, mouse and rat).

### **Storage**

After reconstitution, the HNF1B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.