

## Hepatocyte nuclear factor 1 beta (HNF1b) / Transcription Factor 2 (TCF2) Antibody

Mouse Monoclonal Antibody [Clone HNF1B/9519]

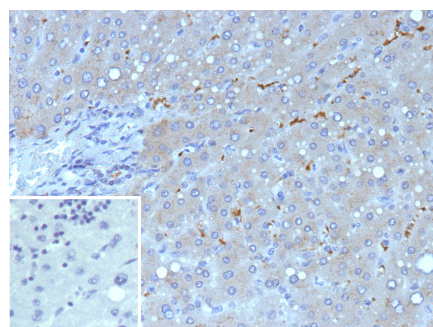
| Catalog No      | Format                                        | Size   |
|-----------------|-----------------------------------------------|--------|
| 6928-MSM2-P0    | Purified Ab with BSA and Azide at 200ug/ml    | 20 ug  |
| 6928-MSM2-P1    | Purified Ab with BSA and Azide at 200ug/ml    | 100 ug |
| 6928-MSM2-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

| Applications               | Tested Dillution | Note                                                                                                                                                                              |
|----------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB)          | 2-4ug/ml         |                                                                                                                                                                                   |

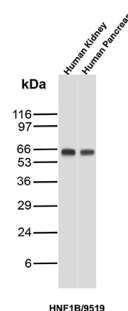
| Product Details        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| Clone                  | HNF1B/9519                                                                                   |
| Gene Name              | HNF1B                                                                                        |
| Immunogen              | Recombinant fragment (around aa1-200) of human HNF1B protein (exact sequence is proprietary) |
| Host                   | Mouse                                                                                        |
| Clonality              | Monoclonal                                                                                   |
| Isotype / Light Chain  | IgG2b / Kappa                                                                                |
| Mol. Weight of Antigen | 61kDa                                                                                        |
| Cellular Localization  | Nucleus                                                                                      |
| Species Reactivity     | Human                                                                                        |
| Positive Control       | Human kidney, pancreas or liver tissue.                                                      |

\*Optimal dilution for a specific application should be determined.

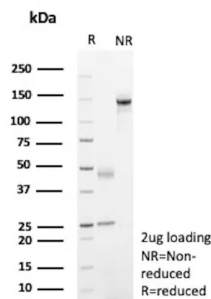
### Product Images for Hepatocyte nuclear factor 1 beta (HNF1b) / Transcription Factor 2 (TCF2) Antibody



Formalin-fixed, paraffin-embedded human liver carcinoma stained with HNF1B Mouse Monoclonal Antibody (HNF1B/9519). Inset: PBS instead of primary antibody; secondary only negative control.



Western blot analysis of human kidney and human pancreas tissue lysates using HNF1b Mouse Monoclonal Antibody (HNF1B/9519).



SDS-PAGE Analysis of Purified HNF1B Mouse Monoclonal Antibody (HNF1B/9519). Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

HNF-1 (a and b), HNF-3 (a, b and g), HNF-4 (a and g) and HNF-6 compose, in part, a homeoprotein family designated the hepatocyte nuclear factor family. The various HNF-1 isoforms regulate transcription of genes in the liver as well as in other tissues such as kidney, small intestine and thymus. HNF-3a, HNF-3b and HNF-3g regulate the transcription of numerous hepatocyte genes in adult liver. HNF-3a and HNF-3b have also been shown to be involved in gastrulation events such as body axis formation. HNF-4a and HNF-4g have been shown to be important for early embryo development. HNF-4a is expressed in liver, kidney, pancreas, small intestine, testis and colon; and HNF-4g is expressed in each of these tissues except liver. HNF-6 has been shown to bind to the promoter of HNF-3b, which indicates a potential role of HNF-6 in gut endoderm epithelial cell differentiation. Evidence suggests that HNF-6 may also be a transcriptional activator for at least 22 other hepatocyte enriched genes, including cytochrome P450 2C13 and a-1 antitrypsin.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Kidney, Pancreatic Cancer, Transcription Factors