Datasheet for ABIN3044475

anti-HNF1B antibody (C-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	HNF1B
Binding Specificity:	AA 494-509, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNF1B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-HNF1 beta/HNF1B Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human HNF1 beta, identical to the related mouse and rat sequences.
Sequence:	HMAQQPFMAA VTQLQN
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-HNF1 beta/HNF1B Antibody (ABIN3044475). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	HNF1B
Alternative Name:	HNF1B (HNF1B Products)
Background:	Synonyms: Hepatocyte nuclear factor 1-beta,HNF-1-beta,HNF-1B,Homeoprotein LFB3,Transcription factor 2,TCF-2,Variant hepatic nuclear factor 1,vHNF1,HNF1B,TCF2, Tissue Specificity: Highest expression in brain, lower in heart, kidney, pancreas, placenta, lung and skeletal muscle. Background: 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). Sequence Similarities: Belongs to the HNF1 homeobox family.
Molecular Weight:	61 kDa
UniProt:	P35680
Pathways:	Hormone Transport, Stem Cell Maintenance, Tube Formation

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Mouse, Human, Rat 1. Bach, I., Mattei, M.-G., Cereghini, S., Yaniv, M. Two members of an HNF1 homeoprotein family are expressed in human liver. Nucleic Acids Res. 19: 3553-3559, 1991. 2. "Entrez Gene: TCF2 transcription factor 2, hepatic, LF-B3, variant hepatic nuclear factor" 3. Verdeguer, F., Le Corre, S., Fischer, E., Callens, C., Garbay, S., Doyen, A., Igarashi, P., Terzi, F., Pontoglio, M. A mitotic transcriptional switch in polycystic kidney disease. (Letter) Nature Med. 16: 106-110, 2010.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

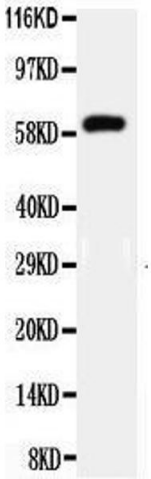
Application Details

Restrictions:	For Research Use only

Handling

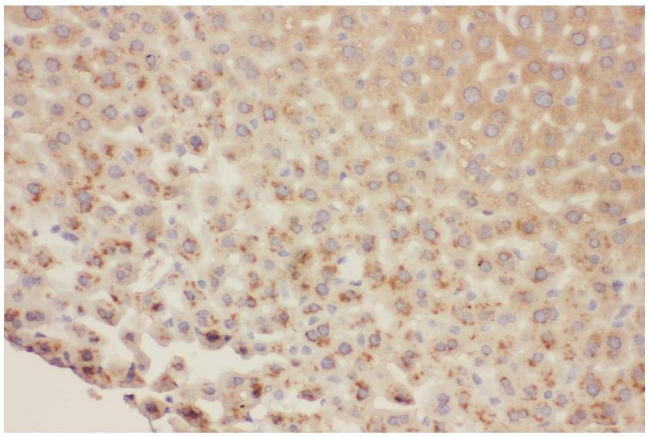
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Observed bind size: 61KD



Immunohistochemistry

Image 2. Anti-HNF1 beta antibody, IHC(P) IHC(P): Mouse Liver Tissue

