10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-HNF1 Beta Picoband Antibody

Catalog # ABO12283

Specification

Anti-HNF1 Beta Picoband Antibody - Product Information

Application	**WB**
Primary Accession	P35680
Host	**Rabbit**
Reactivity	**Human, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Hepatocyte nuclear factor 1-beta(HNF1B) detection. Tested with WB in Human;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-HNF1 Beta Picoband Antibody - Additional Information

Gene ID 6928

Other Names
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

Calculated MW
61324 MW KDa

Application Details
Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization
Nucleus.

Protein Name
Hepatocyte nuclear factor 1-beta

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human HNF1 beta (496-525aa AQQPFMAAVTQLQNSHMYAHKQEPPQYSHT), identical to the related mouse and rat sequences.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Belongs to the HNF1 homeobox family.

Anti-HNF1 Beta Picoband Antibody - Protein Information

Name HNF1B

Synonyms TCF2

Function
Transcription factor that binds to the inverted palindrome 5'-GTTAATNATTAAC-3' (PubMed:7900999, PubMed:17924661). Binds to the FPC element in the cAMP regulatory unit of the PLAU gene (By similarity). Transcriptional activity is increased by coactivator PCBD1 (PubMed:24204001).

Cellular Location
Nucleus.

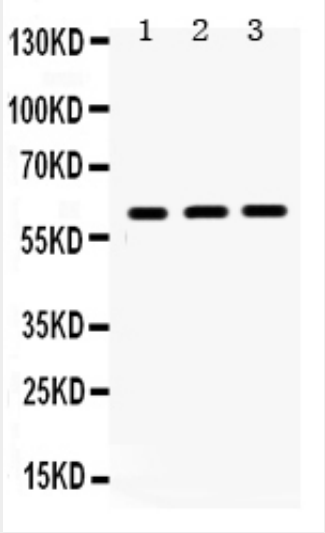
Anti-HNF1 Beta Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HNF1 Beta Picoband Antibody - Images

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Anti- HNF1 beta Picoband antibody, ABO12283, Western blottingAll lanes: Anti HNF1 beta (ABO12283) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Kidney Tissue Lysate at 50ugLane 3: SW620 Whole Cell Lysate at 40ugPredicted bind size: 61KDObserved bind size: 61KD

Anti-HNF1 Beta Picoband Antibody - 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).