

Anti-HNF1 Beta Antibody

Catalog # ABO11576

Product Information

Application	WB, IHC-P
Primary Accession	P35680
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Hepatocyte nuclear factor 1-beta(HNF1B) detection. Tested with Adiponectin in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Human, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Mouse, Human, Rat
Subcellular Localization	Nucleus.
Source	Eukaryota
Protein Name	Hepatocyte nuclear factor 1-beta
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HNF1 beta(494-509aa HMAQQPFMAAVTQLQN), 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 reconstitution, at 4 °C for one month. It can also

Sequence Similarities

be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Belongs to the HNF1 homeobox family.

Protein Information

Name	HNF1B
Synonyms	TCF2
Function	Transcription factor that binds to the inverted palindrome 5'-GTTAATNATTAAC-3' (PubMed: 17924661 , PubMed: 7900999). 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.

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).

Images



Anti-HNF1 beta antibody, ABO11576, All Western blottingAll lanes: Anti-HNF1B(ABO11576) at 0.5ug/mlLane 1: Mouse Liver Tissue Lysate at 40ugPredicted bind size: 61KDObserved bind size: 61KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.