

Anti-HNF1 beta/HNF1B Antibody Picoband®

Catalog Number: PA2267

About HNF1B

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).

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Overview

Product Name	Anti-HNF1 beta/HNF1B Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-HNF1 beta/HNF1B Antibody catalog # PA2267. 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.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	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.
Host	Rabbit
Uniprot ID	P35680

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HNF1 beta, identical to the related mouse and rat sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse, Human, Rat

Anti-HNF1 beta/HNF1B Antibody Picoband® (PA2267) Images



Anti-HNF1 beta antibody, PA2267, All Western blottingAll
lanes: Anti-HNF1B(PA2267) at 0.5ug/ml Lane 1: Mouse Liver
Tissue Lysate at 40ug Predicted bind size: 61KD Observed
bind size: 61KD

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For Research Use Only. Not for use in diagnostic procedures.