

Anti-HNF1 Picoband Antibody

Catalog # ABO11905

Product Information

Application	WB
Primary Accession	P20823
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Hepatocyte nuclear factor 1-alpha(HNF1A) detection. Tested with WB in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6927
Other Names	Hepatocyte nuclear factor 1-alpha, HNF-1-alpha, HNF-1A, Liver-specific transcription factor LF-B1, LFB1, Transcription factor 1, TCF-1, HNF1A, TCF1
Calculated MW	67386
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat
Subcellular Localization	Nucleus .
Tissue Specificity	Liver.
Source	Eukaryota
Protein Name	Hepatocyte nuclear factor 1-alpha
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived human HNF1 recombinant protein (Position: A431-Q631). Human HNF1 shares 93% and 92% amino acid (aa) sequences identity with mouse and rat HNF1, respectively.
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.

Protein Information

Name	HNF1A
Synonyms	TCF1
Function	Transcriptional activator that regulates the tissue specific expression of multiple genes, especially in pancreatic islet cells and in liver (By similarity). Binds to the inverted palindrome 5'- GTTAATNATTAAC-3' (PubMed: 10966642 , PubMed: 12453420). Activates the transcription of CYP1A2, CYP2E1 and CYP3A11 (By similarity).
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00108, ECO:0000269 PubMed:10966642, ECO:0000269 PubMed:38018242}
Tissue Location	Liver.

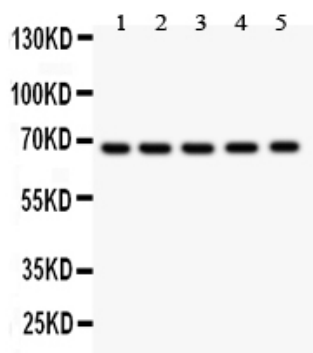
Background

HNF1 homeobox A (hepatocyte nuclear factor 1 homeobox A), also known as HNF1A or TCF1, is a human gene. It is mapped to chromosome 12q24.3. The protein encoded by this gene is a transcription factor that is highly expressed in the liver and is involved in the regulation of the expression of several liver-specific genes. HNF1A can function as a dimer. What $\text{C}\epsilon^{\text{TM}}$ s more, deletion of the HNF1A activation domains or interruption of the HNF1-binding sites in the LCT promoter resulted in complete loss of transcriptional activity.

Images



Anti- HNF1 antibody, ABO11905, Western blotting
lanes: Anti HNF1 (ABO11905) at 0.5ug/ml
WB: Recombinant Human HNF1 Protein 0.5ng
Predicted bind size: 45KD
Observed bind size: 45KD



Anti- HNF1 antibody, ABO11905, Western blotting
lanes: Anti HNF1 (ABO11905) at 0.5ug/ml
Lane 1: Rat Liver Tissue Lysate at 50ug
Lane 2: Rat Kidney Tissue Lysate at 50ug
Lane 3: RH35 Whole Cell Lysate at 40ug
Lane 4: HELA Whole Cell Lysate at 40ug
Lane 5: HEPG2 Whole Cell Lysate at 40ug
Predicted bind size: 67KD
Observed bind size: 67KD

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