

产品名称: HNF-1 β Rabbit Polyclonal Antibody
产品货号: APRab12128



产品概述 (Summary)

产品名称 (Production Name)	HNF-1 β Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	HNF1B HNF1B; TCF2; Hepatocyte nuclear factor 1-beta; HNF-1-beta; HNF-1B;
别名 (Alternative Names)	Homeoprotein LFB3; Transcription factor 2; TCF-2; Variant hepatic nuclear factor 1; vHNF1
基因 ID (Gene ID)	6928/6928
蛋白 ID (SwissProt ID)	P35680.Synthesized peptide derived from the N-terminal region of human HNF-1 β .

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	60kDa

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研究背景 (Background)

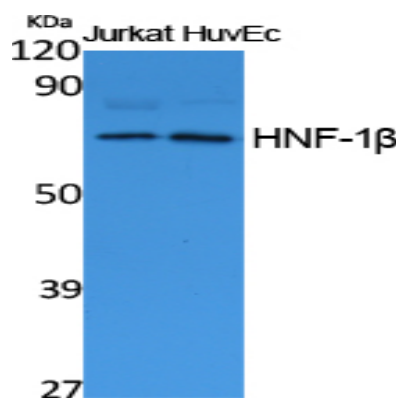
This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009],disease:A genetic variation in HNF1B is associated with susceptibility to hereditary prostate cancer type 11 (HPC11) [MIM:611955],disease:Defects in HNF1B are a cause of Muellerian aplasia [MIM:158330]. In a Norwegian family with a novel syndrome of mild diabetes and severe non-diabetic renal disease, Muellerian aplasia expressed as vaginal aplasia and rudimentary uterus, were found in 2 females. These findings suggest that a broader spectrum of clinical symptoms may be associated with defects in HNF1B than previously recognized.,disease:Defects in HNF1B are the cause of maturity-onset diabetes of the young type 5 (MODY5) [MIM:604284]. MODY [MIM:606391] is a form of diabetes mellitus characterized by an autosomal dominant mode of inheritance, age of onset of 25 years or younger and a primary defect in insulin secretion.,disease:Defects in HNF1B are the cause of renal cysts and diabetes syndrome (RCAD) [MIM:137920]; also called maturity-onset diabetes of the young type 5 (MODY5) or familial hypoplastic glomerulocystic kidney disease (GCKD). RCAD is an autosomal dominant disorder comprising (1) nondiabetic renal disease resulting from abnormal renal development, and (2) diabetes, which in some cases occurs earlier than age 25 years and is thus consistent with a diagnosis of maturity-onset diabetes of the young (MODY). The renal disease is highly variable and includes renal cysts, glomerular tufts, aberrant nephrogenesis, primitive tubules, irregular collecting systems, oligomeganephronia, enlarged renal pelves, abnormal calyces, small kidney, single kidney, horseshoe kidney, and hyperuricemic nephropathy.,disease:Defects in HNF1B may be rare genetic risk factor contributing to the development of type 2 diabetes mellitus non-insulin dependent (NIDDM) [MIM:125853],function:Transcription factor, probably binds to the inverted palindrome 5'-GTTAATNATTAAC-3',online information:Hepatocyte nuclear factors entry,similarity:Belongs to the HNF1 homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,subunit:Binds DNA as a dimer. Can form homodimer or heterodimer with HNF1-alpha.,

研究领域 (Research Area)

Maturity onset diabetes of the young;

图片 (Image Data)

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Western Blot analysis of extracts from Jurkat cells, using HNF-1 β Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .