

产品名称: HNF-4 α / γ Rabbit Polyclonal Antibody
产品货号: AP Rab12132



产品概述 (Summary)

产品名称 (Production Name)	HNF-4 α / γ Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,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)	HNF4A/HNF4G
别名 (Alternative Names)	HNF4A; HNF4; NR2A1; TCF14; Hepatocyte nuclear factor 4-alpha; HNF-4-alpha; Nuclear receptor subfamily 2 group A member 1; Transcription factor 14; TCF-14; Transcription factor HNF-4; HNF4G; NR2A2; Hepatocyte nuclear factor 4-gamma; HNF-4-ga
基因 ID (Gene ID)	3172/3174
蛋白 ID (SwissProt ID)	P41235/Q14541.The antiserum was produced against synthesized peptide derived from human HNF4 alpha/gamma. AA range:91-140

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
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蛋白分子量 (Molecular Weight) 52kDa

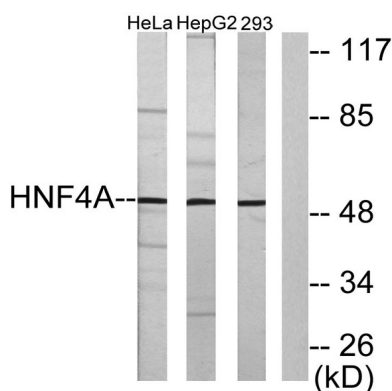
研究背景 (Background)

The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms. [provided by RefSeq, Apr 2012], alternative products: Additional isoforms seem to exist, disease: Defects in HNF4A are the cause of maturity onset diabetes of the young type 1 (MODY1) [MIM:125850]; also shortened MODY-1. MODY [MIM:606391] is a form of diabetes that is characterized by an autosomal dominant mode of inheritance, onset in childhood or early adulthood (usually before 25 years of age) and a primary defect in insulin secretion. The clinical phenotype of MODY1 is characterized by severe insulin secretory defects, and by major hyperglycemia associated with microvascular complications., function: Transcriptionally controlled transcription factor. Binds to DNA sites required for the transcription of alpha 1-antitrypsin, apolipoprotein CIII, transthyretin genes and HNF1-alpha. May be essential for development of the liver, kidney and intestine., miscellaneous: Binds fatty acids., online information: Hepatocyte nuclear factors entry, PTM: Phosphorylated on tyrosine residue(s); phosphorylation is important for its DNA-binding activity. Phosphorylation may directly or indirectly play a regulatory role in the subnuclear distribution., similarity: Belongs to the nuclear hormone receptor family., similarity: Belongs to the nuclear hormone receptor family. NR2 subfamily., similarity: Contains 1 nuclear receptor DNA-binding domain., subunit: Homodimerization is required for HNF4-alpha to bind to its recognition site.,

研究领域 (Research Area)

Stem cell pathway; AMPK; Protein_Acetylation

图片 (Image Data)

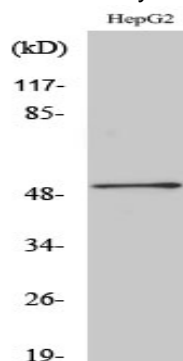


Western blot analysis of lysates from HepG2, HeLa, and 293 cells, using HNF4 alpha/gamma Antibody. The lane on the right

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is blocked with the synthesized peptide.



Western Blot analysis of various cells using HNF-4 α / γ Polyclonal Antibody

注意事项 (Note)

For research use only .