Best Tools for immunology Research

HNF1α (Phospho Ser247) rabbit pAb

Catalog No :	YP1354
Reactivity :	Human;Rat;Mouse;
Applications :	WB
Target :	HNF1A
Fields :	>>Maturity onset diabetes of the young
Gene Name :	HNF1A TCF1
Protein Name :	HNF1α (Ser247)
Human Gene Id :	6927
Human Swiss Prot No :	P20823
Mouse Gene Id :	21405
Mouse Swiss Prot No :	P22361
Rat Gene Id :	24817
Rat Swiss Prot No :	P15257
Immunogen :	Synthesized phosho peptide around human HNF1α (Ser247)
Specificity :	This antibody detects endogenous levels of Human HNF1α (phospho-Ser247)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography

using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 69kD

Cell Pathway : Maturity onset diabetes of the young;

Background : The protein encoded by this gene is a transcription factor required for the expression of several liver-specific genes. The encoded protein functions as a homodimer and binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. Defects in this gene are a cause of maturity onset diabetes of the young type 3 (MODY3) and also can result in the appearance of hepatic adenomas. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015],

Function : disease:Defects in HNF1A are a cause of susceptibility to insulin-dependent diabetes mellitus (IDDM) [MIM:222100].,disease:Defects in HNF1A are the cause of maturity onset diabetes of the young type 3 (MODY3) [MIM:600496]; also symbolized MODY-3. MODY [MIM:606391] is a form of diabetes characterized by an autosomal dominant mode of inheritance, age of onset of 25 years or younger and a primary defect in insulin secretion. The clinical phenotype of MODY3 is characterized by severe insulin secretory defects, and by major hyperglycemia associated with microvascular complications.,disease:Defects in HNF1A may predispose to hepatic adenomas [MIM:142330]. Hepatic adenomas are benign tumors at risk of malignant transformation. Bi-allelic inactivation of HNF1A, whether sporadic or associated with MODY3, may be an early step in the developmant of some hepatocellular carcinomas.,function:Required

Subcellular Location : Nucleus .

Expression : Liver.

Products Images