

HNF1α (Phospho Ser247) Rabbit pAb

CatalogNo: YP1354

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 69kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human HNF1α (Ser247)

Specificity This antibody detects endogenous levels of Human HNF1α (phospho-Ser247)

Target Information

Gene name HNF1A TCF1

Protein Name HNF1 α (Ser247)

Organism	Gene ID	UniProt ID
Human	6927 ;	P20823 ;
Mouse	21405 ;	P22361 ;
Rat	24817 ;	P15257 ;

Cellular Localization Nucleus .

Tissue specificity Liver.

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 for the expression of several liver specific genes. Binds to the inverted palindrome 5'-GTTAATNATTAAC-3',,online information:Hepatocyte nuclear factors entry,polymorphism:The Ala-98/Val-98 polymorphism is associated with a reduction in glucose-induced serum C-peptide and insulin responses.,similarity:Belongs to the HNF1 homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,subunit:Binds DNA as a dimer.,tissue specificity:Liver.,

| Validation Data

| Contact information

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