

## HNF1 $\alpha$ (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 HNF1 $\alpha$  (Ser247)

**Specificity** This antibody detects endogenous levels of Human HNF1 $\alpha$  (phospho-Ser247)

### Target Information

**Gene name** HNF1A TCF1

**Protein Name** HNF1 $\alpha$  (Ser247)

| Organism | Gene ID                 | UniProt ID               |
|----------|-------------------------|--------------------------|
| Human    | <a href="#">6927</a> ;  | <a href="#">P20823</a> ; |
| Mouse    | <a href="#">21405</a> ; | <a href="#">P22361</a> ; |
| Rat      | <a href="#">24817</a> ; | <a href="#">P15257</a> ; |

**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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