

## HNF-4α/γ (Acetyl Lys127/79) Polyclonal Antibody

|                              |                                                                                                                                                                             |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No :</b>          | YK0082                                                                                                                                                                      |
| <b>Reactivity :</b>          | Human:K127/79;Mouse:K127/79;Rat:K127                                                                                                                                        |
| <b>Applications :</b>        | WB;ELISA                                                                                                                                                                    |
| <b>Target :</b>              | HNF-4α/γ                                                                                                                                                                    |
| <b>Fields :</b>              | >>AMPK signaling pathway;>>Maturity onset diabetes of the young                                                                                                             |
| <b>Gene Name :</b>           | HNF4A HNF4 NR2A1 TCF14 HNF4G NR2A2                                                                                                                                          |
| <b>Protein Name :</b>        | Hepatocyte nuclear factor 4-alpha/gamma (HNF-4-alpha/gamma) (Nuclear receptor subfamily 2 group A member 1) (Transcription factor 14) (TCF-14) (Transcription factor HNF-4) |
| <b>Human Gene Id :</b>       | 3172                                                                                                                                                                        |
| <b>Human Swiss Prot No :</b> | P41235/Q14541                                                                                                                                                               |
| <b>Immunogen :</b>           | Synthetic Acetyl peptide from human protein at AA range: 127(HNF-4α)/79(HNF-4γ)                                                                                             |
| <b>Specificity :</b>         | This antibody detects endogenous levels of HNF-4α/γ at Human:K127/79;Mouse:K127/79;Rat:K127, It doesn't react with total protein.                                           |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                     |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG                                                                                                                                                      |
| <b>Dilution :</b>            | WB 1:500-2000, ELISA 1:10000-20000                                                                                                                                          |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                       |
| <b>Concentration :</b>       | 1 mg/ml                                                                                                                                                                     |
| <b>Storage Stability :</b>   | -15°C to -25°C/1 year(Do not lower than -25°C)                                                                                                                              |

**Observed Band :** 55kD

**Cell Pathway :** Maturity onset diabetes of the young;

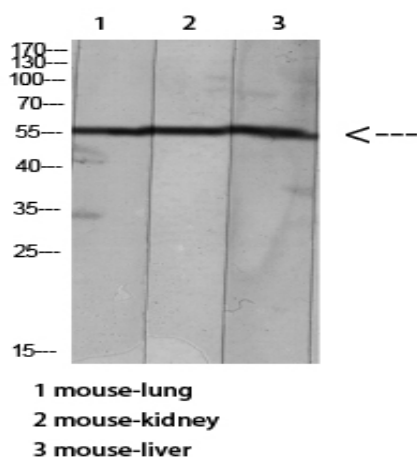
**Background :** The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. 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],

**Function :** 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 fac

**Subcellular Location :** Nucleus.

**Expression :** Kidney,Liver,

## Products Images



Western blot analysis of mouse-lung mouse-brain mouse-heart Hela mouse-liver lysate, antibody was diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000