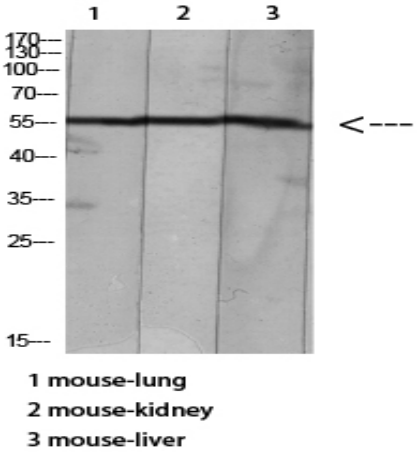
Best Tools for immunology Research

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

Catalog No :	YK0082
Reactivity :	Human:K127/79;Mouse:K127/79;Rat:K127
Applications :	WB;ELISA
Target :	HNF-4α/γ
Fields :	>>AMPK signaling pathway;>>Maturity onset diabetes of the young
Gene Name :	HNF4A HNF4 NR2A1 TCF14 HNF4G NR2A2
Protein Name :	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)
Human Gene Id :	3172
Human Swiss Prot No :	P41235/Q14541
Immunogen :	Synthetic Acetyl peptide from human protein at AA range: 127(HNF-4α)/79(HNF-4γ)
Specificity :	This antibody detects endogenous levels of HNF-4α/γ at Human:K127/79;Mouse:K127/79;Rat:K127, It doesn't reacte with total protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-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,
Sort :	7711
No4 :	1
Host :	Rabbit
Modifications :	Acetyl

Products Images



1 mouse-lung
2 mouse-kidney
3 mouse-liver

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