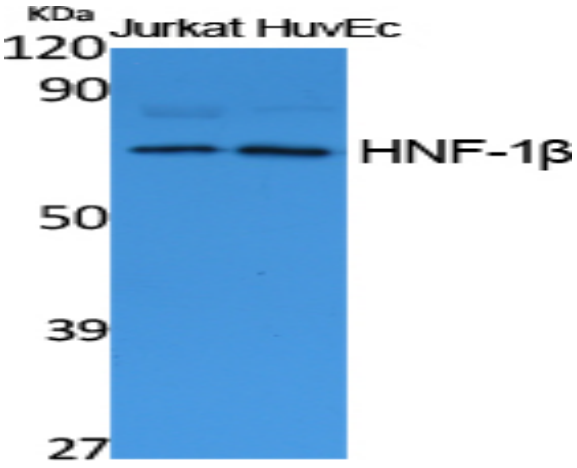
Best Tools for immunology Research

HNF-1β Polyclonal Antibody

Catalog No :	YT5083
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	HNF-1β
Fields :	>>Maturity onset diabetes of the young
Gene Name :	HNF1B
Protein Name :	Hepatocyte nuclear factor 1-beta
Human Gene Id :	6928/6928
Human Swiss Prot No :	P35680
Mouse Gene Id :	21410
Mouse Swiss Prot No :	P27889
Rat Gene Id :	25640
Rat Swiss Prot No :	P23899
Immunogen :	Synthesized peptide derived from the N-terminal region of human HNF-1β.
Specificity :	HNF-1β Polyclonal Antibody detects endogenous levels of HNF-1β protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
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 :	60kD
Cell Pathway :	Maturity onset diabetes of the young;
Background :	This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009],
Function :	disease:A genetic variation in HNF1B is associated with susceptibility to hereditary prostate cancer type 11 (HPC11) [MIM:611955].,disease:Defects in HNF1B are a cause of Muellerian aplasia [MIM:158330]. In a Norwegian family with a novel syndrome of mild diabetes and severe non-diabetic renal disease, Muellerian aplasia expressed as vaginal aplasia and rudimentary uterus, were found in 2 females. These findings suggest that a broader spectrum of clinical symptoms may be associated with defects in HNF1B than previously recognized.,disease:Defects in HNF1B are the cause of maturity-onset diabetes of the young type 5 (MODY5) [MIM:604284]. MODY [MIM:606391] is a form of diabetes mellitus characterized by an autosomal dominant mode of inheritance, age of onset of 25 years or younger and a primary defect in insulin secretion.,disease:Defects in HNF1B are the cause of renal cysts and diabetes
Subcellular Location :	Nucleus.
Expression :	Colon,Liver,Thalamus,
Sort :	7705
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Western Blot analysis of extracts from Jurkat cells, using HNF-1β Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000