HNF1α (phospho-Ser247) rabbit pAb

Catalog No	BYab-10372
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	HNF1A TCF1
Protein Name	HNF1α (Ser247)
Immunogen	Synthesized phosho peptide around human HNF1α (Ser247)
Specificity	This antibody detects endogenous levels of Human HNF1α (phospho-Ser247)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Hepatocyte nuclear factor 1-alpha (HNF-1-alpha) (HNF-1A) (Liver-specific transcription factor LF-B1) (LFB1) (Transcription factor 1) (TCF-1)
Observed Band	69kD
Cell Pathway	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
Background	The protein encoded by this gene is a transcription factor required for the expression of several liver-specific genes. The encoded protein functions as a homodimer and binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. Defects in this gene are a cause of maturity onset diabetes of the young type 3 (MODY3) and also can result in the appearance of hepatic adenomas. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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