

HNF4A

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:52kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human HNF4A

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

k

Synonym:

HNF4A; HNF4; HNF4a7; HNF4a8; HNF4a9; HNF4alpha; MODY; MODY1; NR2A1; NR2A21; TCF; TCF14;

Catalog #:A2085

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:3172

Isotype:IgG

Swiss Prot:P41235

Purity:Affinity purification

For research use only.

Background:

Hepatocyte nuclear factor 4 (HNF4) is a transcription factor that belongs to the steroid hormone receptor superfamily and is enriched in liver (1). HNF4, in association with PGC-1, activates gluconeogenic genes such as phosphoenolpyruvate carboxykinase and glucose-6-phosphatase genes in fasted livers (2,3). Conditional knockout of the HNF4 gene in the mouse liver destroys lipid homeostasis and leads to lipid accumulation in the liver and a reduction of serum cholesterol and triglyceride levels (4). Mutations in HNF4 have been linked to maturity-onset diabetes of the young (MODY) (5).

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