

## HNF4 $\alpha$ (phospho-S313) polyclonal antibody

Catalog: BS4841

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Hepatocyte nuclear factor 4 $\alpha$  (HNF4 $\alpha$ ) is a transcription factor that belongs to the steroid hormone receptor super-family and is enriched in liver. HNF4 $\alpha$ , in association with PGC-1 $\alpha$ , activates gluconeogenic genes such as phosphoenolpyruvate carboxykinase and glucose-6-phosphatase genes in fasted livers. Conditional knockout of the HNF4 $\alpha$  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. Mutations in HNF4 $\alpha$  have been linked to maturity-onset diabetes of the young (MODY).

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 52 kDa

### Swiss-Prot:

P41235

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

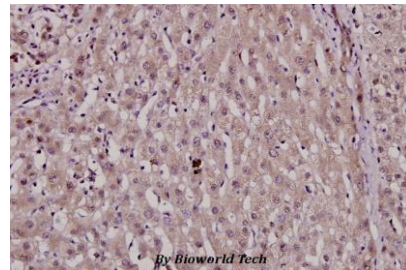
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-HNF4- $\alpha$  (S313) polyclonal antibody detects endogenous levels of HNF4- $\alpha$  protein only when phosphorylated at Ser313.

### DATA:



Immunohistochemistry (IHC) analyzes of p-HNF4- $\alpha$  (S313) pAb in paraffin-embedded human liver cancer tissue.

### Note:

For research use only, not for use in diagnostic procedure.

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