

## **HNF-4 Antibody**

Rabbit Polyclonal Antibody Catalog # ABV10521

## **Specification**

## **HNF-4 Antibody - Product Information**

**Application** WB **Primary Accession** P22449 Other Accession EDL96573 Reactivity Mouse, Rat Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 52712

## **HNF-4 Antibody - Additional Information**

**Gene ID 25735** 

Application & Usage Western blotting (0.5-4 μg/ml). However,

the optimal concentrations should be determined individually. Mouse small intestine and rat kidney tissue lysates can

be used as positive controls.

**Other Names** 

HNF4A, TCF, MODY 1, MODY, TCF14, FLJ39654, HNF4, HNF4

**Target/Specificity** 

HNF 4

**Antibody Form** 

Liquid

**Appearance** 

Colorless liquid

## **Formulation**

100 μg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

#### Handling

The antibody solution should be gently mixed before use.

**Reconstitution & Storage** 

-20 °C

**Background Descriptions** 

**Precautions** 



HNF-4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

# **HNF-4 Antibody - Protein Information**

Name Hnf4a

Synonyms Hnf-4, Hnf4, Nr2a1, Tcf14

### **Function**

Transcriptional regulator which controls the expression of hepatic genes during the transition of endodermal cells to hepatic progenitor cells, facilitating the recruitment of RNA pol II to the promoters of target genes (By similarity). Activates the transcription of CYP2C38 (By similarity). Represses the CLOCK-BMAL1 transcriptional activity and is essential for circadian rhythm maintenance and period regulation in the liver and colon cells (By similarity).

**Cellular Location** Nucleus.

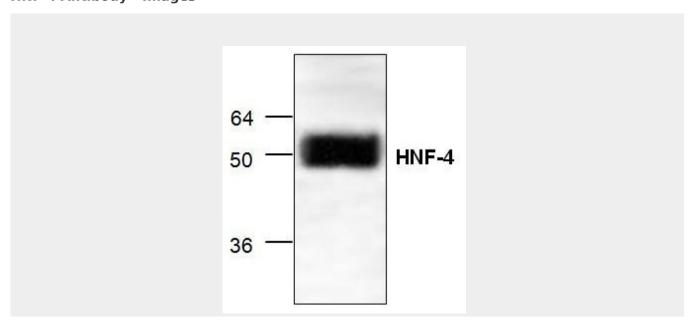
**Tissue Location**Liver, kidney and intestine.

## **HNF-4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **HNF-4 Antibody - Images**







Western blot analysis of HNF-4 with mouse small intestine tissue lysate.

# **HNF-4 Antibody - Background**

HNF-4 (Hepatocyte nuclear factor 4), a member of the steroid/thyroid nuclear receptor superfamily, is a transcriptional factor which expresses in the liver, intestine, kidney, and pancreatic cells. It contains several functional domains: a ligand-independent activation domain (AF1), a zinc finger DNA binding domain, and a ligand-dependent activation domain (AF2). HNF-4 binds to a specific DNA element as a homodimer and regulates the expression of many genes, involved in glucose, fatty acid, and cholesterol metabolisms.