

**HNF-4 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10521****Specification**

---

**HNF-4 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P22449</a>
Other Accession	<a href="#">EDL96573</a>
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 , HNF 4

**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

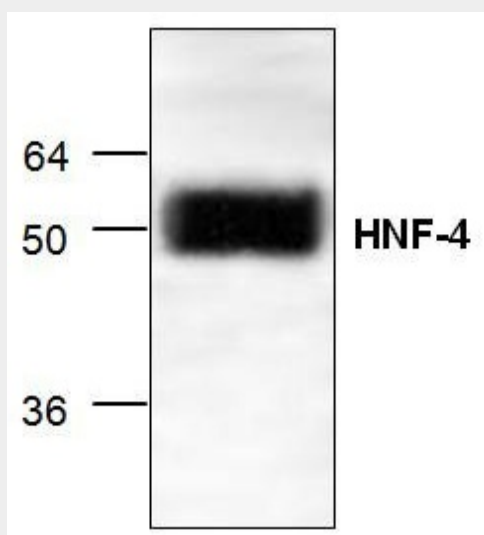
Liver, kidney and intestine.

## 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 Cytometry](#)
- [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.