

**Anti-HNF4 alpha Antibody**  
**Rabbit polyclonal antibody to HNF4 alpha**  
**Catalog # AP61535****Specification**

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**Anti-HNF4 alpha Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P41235</a>
Other Accession	<a href="#">P49698</a>
Reactivity	Human, Mouse, Rat, Monkey, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52785

**Anti-HNF4 alpha Antibody - Additional Information****Gene ID** 3172**Other Names**

HNF4; NR2A1; TCF14; Hepatocyte nuclear factor 4-alpha; HNF-4-alpha; Nuclear receptor subfamily 2 group A member 1; Transcription factor 14; TCF-14; Transcription factor HNF-4

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HNF4 alpha. The exact sequence is proprietary.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-HNF4 alpha Antibody - Protein Information****Name** HNF4A**Synonyms** 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 (PubMed: <http://www.uniprot.org/citations/30597922> target="\_blank">30597922</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/30530698" target="\_blank">30530698</a>).

#### Cellular Location

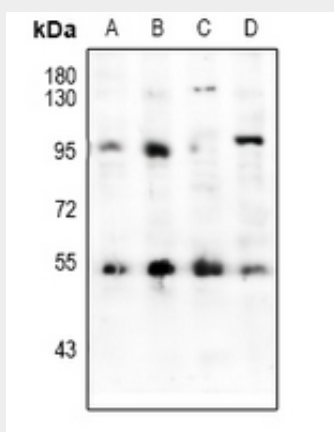
Nucleus.

#### Anti-HNF4 alpha Antibody - Protocols

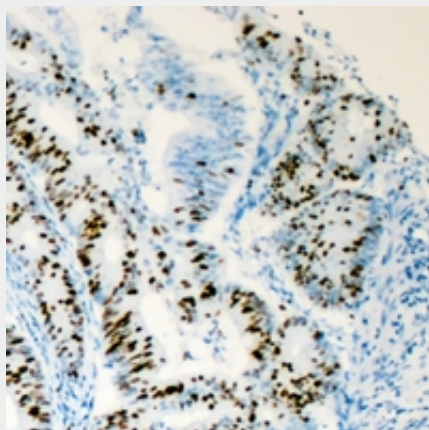
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Anti-HNF4 alpha Antibody - Images



Western blot analysis of HNF4 alpha expression in HepG2 (A), SGC7901 (B), HCT116 (C), PC12 (D) whole cell lysates.



Immunohistochemical analysis of HNF4 alpha staining in human colon cancer formalin fixed

paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**Anti-HNF4 alpha Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HNF4 alpha. The exact sequence is proprietary.