

## HNF4A Antibody (S142)

### Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2778a

### Specification

#### HNF4A Antibody (S142) - Product Information

Application	WB,E
Primary Accession	<a href="#">P41235</a>
Other Accession	<a href="#">Q91766</a> , <a href="#">P22449</a> , <a href="#">P49698</a> , <a href="#">NP_849180</a>
Reactivity	Human
Predicted	Mouse, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	52785
Antigen Region	118-146

#### HNF4A Antibody (S142) - Additional Information

**Gene ID** 3172

#### Other Names

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, HNF4A,  
HNF4, NR2A1, TCF14

#### Target/Specificity

This HNF4A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 118-146 amino acids from human HNF4A.

#### Dilution

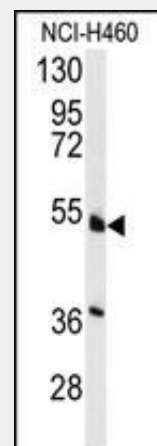
WB~~1:1000

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western blot analysis of anti-HNF4A Antibody (S142) (Cat.#AP2778a) in NCI-H460 cell line lysates (35ug/lane). HNF4A (arrow) was detected using the purified Pab.

#### HNF4A Antibody (S142) - Background

HNF4A is a nuclear transcription factor which binds DNA as a homodimer. This protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This protein may play a role in development of the liver, kidney, and intestines. Mutations in this protein have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I.

#### HNF4A Antibody (S142) - References

Sugai,M., Pathol. Int. 58 (11), 681-686 (2008)  
Lee,S.S., Hepatology 48 (2), 635-645 (2008)  
Guo,H., Biochem. J. 394 (PT 2), 379-387 (2006)  
Hong,Y.H., J. Biol. Chem. 278 (30), 27495-27501 (2003)

**Precautions**

HNF4A Antibody (S142) is for research use only and not for use in diagnostic or therapeutic procedures.

**HNF4A Antibody (S142) - 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:<a href="http://www.uniprot.org/citations/30597922" target="\_blank">30597922</a>). Activates the transcription of CYP2C38 (By similarity). Represses the CLOCK- ARNTL/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.

**HNF4A Antibody (S142) - 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](#)