

HNF4A Antibody (S142) Blocking Peptide
Synthetic peptide
Catalog # BP2778a**Specification**

HNF4A Antibody (S142) Blocking Peptide - Product Information

Primary Accession [P41235](#)
Other Accession [NP_849180](#)

HNF4A Antibody (S142) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP2778a](/products/AP2778a) was selected from the S142 region of human HNF4A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HNF4A Antibody (S142) Blocking Peptide - 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>). 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: <http://www.uniprot.org/citations/30530698>).

Cellular Location

Nucleus.

HNF4A Antibody (S142) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

HNF4A Antibody (S142) Blocking Peptide - Images**HNF4A Antibody (S142) Blocking Peptide - 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) Blocking Peptide - 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)