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HNF4A Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9435a

Specification

HNF4A Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P41235

HNF4A Antibody (N-term) 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

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 (N-term) 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: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:30530698).

Cellular Location
Nucleus.

HNF4A Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

HNF4A Antibody (N-term) Blocking Peptide - Images

HNF4A Antibody (N-term) Blocking Peptide - Background

HNF4A is a nuclear transcription factor which binds DNA as a homodimer. The encoded 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 gene may play a role in development of the liver, kidney, and intestines.

HNF4A Antibody (N-term) Blocking Peptide - References

Koh, W., et al. BMC Genomics 11 SUPPL 1, S6 (2010) Wang, F., et al. Chin. Med. J. 122(20):2477-2482(2009)Taghavi, S.M., et al. Cardiovasc Diabetol 8, 63 (2009) Guo, H., et al. Biochem. J. 394 (PT 2), 379-387 (2006) Hong, Y.H., et al. J. Biol. Chem. 278(30):27495-27501(2003)