

FOXA2 Blocking Peptide (C-term)

Synthetic peptide

Catalog # BP20957c

Specification

FOXA2 Blocking Peptide (C-term) - Product Information

Primary Accession

[O9Y261](#)

Other Accession

[P32182](#), [P35583](#)**FOXA2 Blocking Peptide (C-term) - Additional Information**

Gene ID 3170

Other Names

Hepatocyte nuclear factor 3-beta, HNF-3-beta, HNF-3B, Forkhead box protein A2, Transcription factor 3B, TCF-3B, FOXA2, HNF3B, TCF3B

Target/Specificity

The synthetic peptide sequence is selected from aa 355-369 of HUMAN FOXA2

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.

FOXA2 Blocking Peptide (C-term) - Protein Information

Name FOXA2

Synonyms HNF3B, TCF3B

Function

Transcription factor that is involved in embryonic development, establishment of tissue-specific gene expression and regulation of gene expression in differentiated tissues. Is thought to act as a 'pioneer' factor opening the compacted chromatin for other proteins through interactions with nucleosomal core histones and thereby replacing linker histones at target enhancer and/or promoter sites. Binds DNA with the consensus sequence 5'-[AC]A[AT]T[AG]TT[GT][AG][CT]T[CT]-3' (By similarity). In embryonic development is required for notochord formation. Involved in the development of multiple endoderm-derived organ systems such as the liver, pancreas and lungs; FOXA1 and FOXA2 seem to have at least in part redundant roles. Originally described as a transcription activator for a number of liver genes such as AFP, albumin, tyrosine aminotransferase, PEPCK, etc. Interacts with the cis-acting regulatory regions of these genes. Involved in glucose homeostasis; regulates the expression of genes important for glucose sensing

in pancreatic beta- cells and glucose homeostasis. Involved in regulation of fat metabolism. Binds to fibrinogen beta promoter and is involved in IL6- induced fibrinogen beta transcriptional activation.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089, ECO:0000269|PubMed:14500912}.

Cytoplasm Note=Shuttles between the nucleus and cytoplasm in a CRM1-dependent manner; in response to insulin signaling via AKT1 is exported from the nucleus

FOXA2 Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

FOXA2 Blocking Peptide (C-term) - Images**FOXA2 Blocking Peptide (C-term) - Background**

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FOXA2 Blocking Peptide (C-term) - References

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Navas M.A.,et al.Hum. Hered. 50:370-381(2000).
Deloukas P.,et al.Nature 414:865-871(2001).
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