

Goat anti-FOXA2 / HNF3B, Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4361a

Specification

Goat anti-FOXA2 / HNF3B, Biotinylated Antibody - Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	O9Y261
Other Accession	NP_068556.2 , NP_710141.1
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	48306

Goat anti-FOXA2 / HNF3B, Biotinylated Antibody - Additional Information

Gene ID 3170

Other Names

FOXA2; forkhead box A2; HNF3B; TCF3B; HNF-3-beta; HNF-3B; TCF-3B; forkhead box protein A2; hepatic nuclear factor-3-beta; hepatocyte nuclear factor 3, beta; transcription factor 3B

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

This antibody is expected to recognise both reported isoforms: NP_068556.2; NP_710141.1.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-FOXA2 / HNF3B, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-FOXA2 / HNF3B, Biotinylated Antibody - 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

Goat anti-FOXA2 / HNF3B, Biotinylated 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](#)

Goat anti-FOXA2 / HNF3B, Biotinylated Antibody - Images