

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

**Specification**

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

Application	WB, IHC, Pep-ELISA
Primary Accession	<a href="#">O9Y261</a>
Other Accession	<a href="#">NP_068556.2</a> , <a href="#">NP_710141.1</a>
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**