

**FOXA2 Antibody (C-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS13073****Specification**

---

**FOXA2 Antibody (C-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">O9Y261</a>
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Chicken, Horse, Xenopus, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	48kDa KDa

**FOXA2 Antibody (C-Terminus) - 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**

Human FOXA2. This antibody is expected to recognise both reported isoforms.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

FOXA2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**FOXA2 Antibody (C-Terminus) - 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

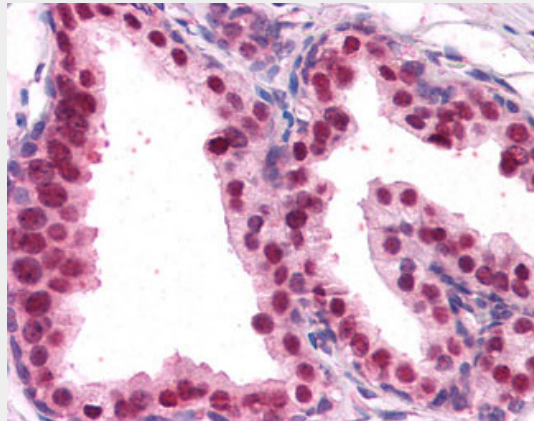
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089, ECO:0000269|PubMed:14500912}.  
Cytoplasm Note=Shuttles between the nucleus and cytoplasm in a CRM1-dependent manner; in response to insulin signaling via AKT1 is exported from the nucleus

#### FOXA2 Antibody (C-Terminus) - 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](#)

#### FOXA2 Antibody (C-Terminus) - Images



Anti-FOXA2 antibody IHC of human prostate.

#### FOXA2 Antibody (C-Terminus) - Background

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.

#### **FOXA2 Antibody (C-Terminus) - References**

- Yamada S., et al. *Diabetologia* 43:121-124(2000).  
Hinokio Y., et al. Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases.  
Navas M.A., et al. *Hum. Hered.* 50:370-381(2000).  
Deloukas P., et al. *Nature* 414:865-871(2001).  
Wolfrum C., et al. *Proc. Natl. Acad. Sci. U.S.A.* 100:11624-11629(2003).