

FOXA2 Antibody (C-term)

Catalog_no :	AB3138
Reactivity :	Rat
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This FOXA2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 311-346 amino acids from the C-terminal region of human FOXA2.
Dilution :	WB,1:1000;
Other_name :	Hepatocyte nuclear factor 3-beta, HNF-3-beta, HNF-3B, Forkhead box protein A2, Transcription factor 3B, TCF-3B, FOXA2, HNF3B, TCF3B
Isotype :	Rabbit Ig
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.
reference :	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