



Rabbit Anti-Human FOXA2 monoclonal antibody, clone KN21-75 (CABT-L940)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	FOXA2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN21-75
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF
Cellular Localization	Nucleus. Cytoplasm.
Positive Control	HT29.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

BACKGROUND

Introduction

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.

Keywords

Forkhead box A2;Forkhead box protein A2;FOX A2;foxa2;FOXA2_HUMAN;Hepatic nuclear factor 3 beta;Hepatocyte nuclear factor 3;Hepatocyte nuclear factor 3 beta;Hepatocyte nuclear factor 3-beta;HNF 3B;HNF-3-beta;HNF-3B;HNF3B;MGC19807;TCF 3B;TCF-3B;TCF3B;Transcription factor 3B antibody

GENE INFORMATION

Entrez Gene ID

[3170](#)

UniProt ID

[B0ZTD4](#)
