



# 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

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

cycles.

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	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	<a href="#">3170</a>
UniProt ID	<a href="#">B0ZTD4</a>