

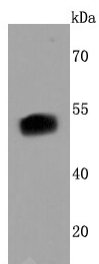
## Anti-FOXA2 Antibody (8N555)

## Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 52 kDa.
Clone:	8N555
Purification:	ProA affinity purified

## Applications

Verified Activity: 1. Western blot analysis of FOXA2 on HT-29 cells lysates using anti-FOXA2 antibody at 1/500 dilution.



Application:	ICC/IF, WB
Recommended	WB: 1:1000-5000; ICC/IF: 1:50-200

## Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.  
Shipping: Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q9Y261
Synonyms:	HNF-3B; Transcription factor 3B(TCF-3B); Forkhead box protein A2; HNF-3-beta; Hepatocyte nuclear factor 3-beta; FOXA 2; HNF3B, TCF3B

## Research 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

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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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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