

## Product datasheet for **AM06359SU-N**

### FOXA2 Mouse Monoclonal Antibody [Clone ID: 7H4B7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	7H4B7
Applications:	IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunohistochemistry on paraffin sections:</b> 1/200 - 1/1000. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of FOXA2 expressed in E. Coli.
Specificity:	This antibody reacts to FOXA2.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	48 kDa
Gene Name:	forkhead box A2
Database Link:	<a href="#">Entrez Gene 3170 Human</a> <a href="#">Q9Y261</a>



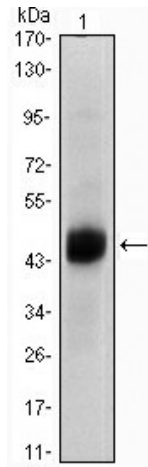
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**Background:**

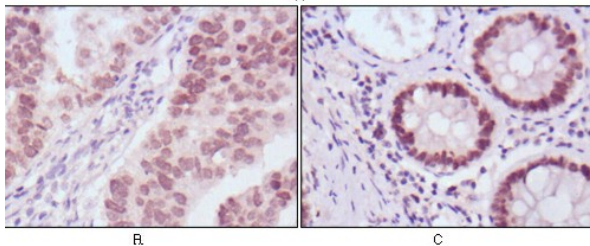
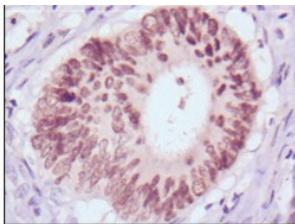
FOXA2 (forkhead box A2), also known as HNF3B (hepatocyte nuclear factor 3, beta). It is a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific genes such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. FOXA2 has been linked to sporadic cases of maturity-onset diabetes of the young. Transcript variants encoding different isoforms have been identified for FOXA2.

**Synonyms:**

HNF-3-beta, HNF-3B, TCF3B

**Product images:**


Western blot analysis using FOXA2 mouse mAb against A549 (1) cell lysate.



Immunohistochemical analysis of paraffin-embedded human colon cancer (A), gastric cancer (B) and rectal cancer (C) tissues using FOXA2 mouse mAb with DAB staining.