



[Go to Product page](#)

Datasheet for ABIN952361

## anti-FOXA2 antibody (Middle Region)

### 3 Images

#### Overview

Quantity:	0.4 mL
Target:	FOXA2
Binding Specificity:	AA 135-164, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	KLH conjugated synthetic peptide between 135-164 amino acids from the Central region of human FOXA2 / HNF3B
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human FOXA2 / HNF3B (Center).
Purification:	Protein A column, followed by peptide affinity purification

#### Target Details

Target:	FOXA2
Alternative Name:	FOXA2 / HNF3B ( <a href="#">FOXA2 Products</a> )

## Target Details

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**Background:** This gene encodes 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. This gene has been linked to sporadic cases of maturity-onset diabetes of the young. Transcript variants encoding different isoforms have been identified for this gene. Synonyms: HNF-3-beta, HNF-3B, Hepatocyte nuclear factor 3-beta, TCF3B, Transcription factor 3B

**Molecular Weight:** 48306 Da

**Gene ID:** 3170

**NCBI Accession:** [NP\\_068556](#)

**Pathways:** [Dopaminergic Neurogenesis](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

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**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 0.25 mg/mL

**Buffer:** PBS containing 0.09 % (W/V) Sodium Azide as preservative

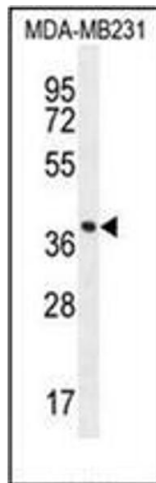
**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freezing and thawing.

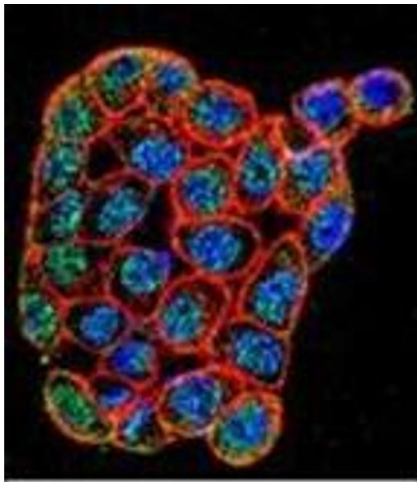
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



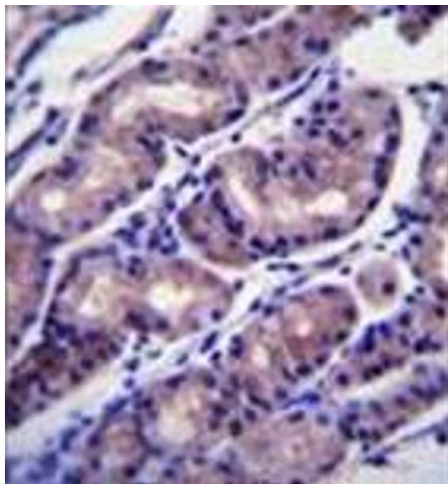
### Western Blotting

**Image 1.** Western blot analysis of FOXA2 / HNF3B Antibody (Center) in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the FOXA2 antibody detected the FOXA2 protein (arrow).



### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of FOXA2 / HNF3B Antibody (Center) Cat.-No AP51702PU-N with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DAPI was used to stain the cell nuclear (blue).



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue reacted with FOXA2 / HNF3B Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.