

Datasheet for ABIN655072  
**anti-FOXA2 antibody (AA 128-157)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	FOXA2
Binding Specificity:	AA 128-157
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))

## Product Details

Immunogen:	This FOXA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 128-157 amino acids from the Central region of human FOXA2.
Clone:	RB19433
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	FOXA2
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## Target Details

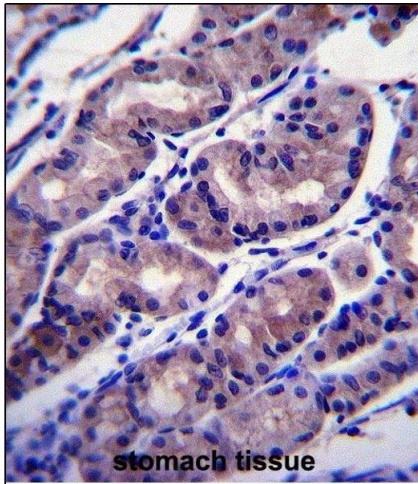
Alternative Name:	FOXA2 ( <a href="#">FOXA2 Products</a> )
Background:	This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific genes such as albumin and transthyretin, and they also interact with chromatin. 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.
Molecular Weight:	48306
Gene ID:	3170
NCBI Accession:	<a href="#">NP_068556</a> , <a href="#">NP_710141</a>
UniProt:	<a href="#">Q9Y261</a>
Pathways:	<a href="#">Dopaminergic Neurogenesis</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

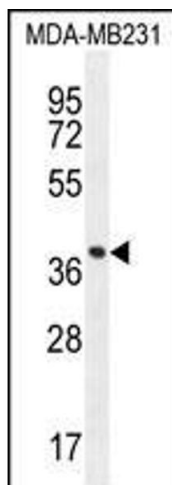
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



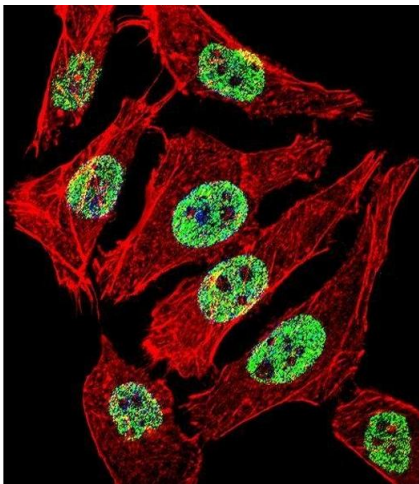
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** FOXA2 Antibody (Center) (ABIN655072 and ABIN2844704) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FOXA2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



#### Western Blotting

**Image 2.** FOXA2 Antibody (Center) (ABIN655072 and ABIN2844704) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the FOXA2 antibody detected the FOXA2 protein (arrow).



#### Immunofluorescence

**Image 3.** Fluorescent confocal image of A549 cell stained with FOXA2 Antibody (Center) (ABIN655072 and ABIN2844704). A549 cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with FOXA2 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (10 µg/mL, 10 min). FOXA2 immunoreactivity is localized to Nucleus significantly.