

Datasheet for ABIN655970

anti-FOXA2 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	FOXA2
Binding Specificity:	AA 380-407, C-Term
Reactivity:	Human, Rat
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 380-407 amino acids from the C-terminal region of human FOXA2.
Clone:	RB31713
Isotype:	Ig Fraction
Predicted Reactivity:	M
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 (FOXA2 Products)
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:	NP_068556 , NP_710141
UniProt:	Q9Y261
Pathways:	Dopaminergic Neurogenesis , Regulation of Carbohydrate Metabolic Process

Application Details

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

Handling

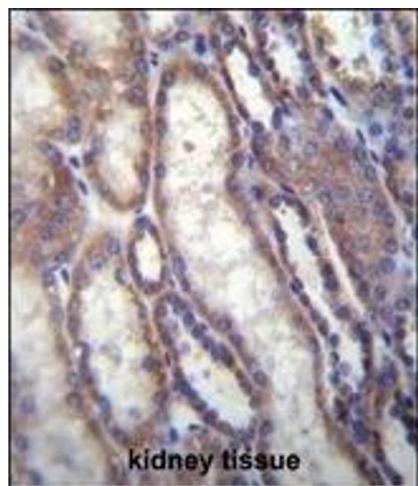
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	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

Publications

Product cited in:	Liu, Peng, Zhan, Yu, Wu, Gao, Li, Guo: "Human chorionic gonadotropin β regulates epithelial-
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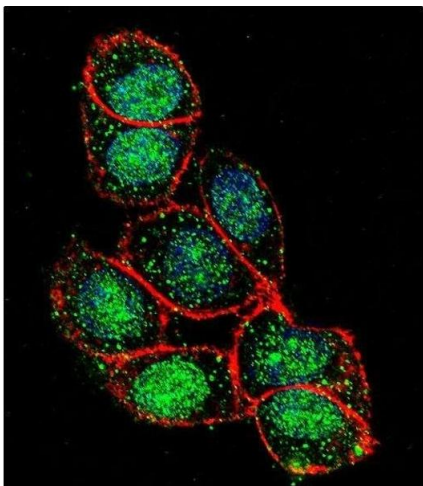
mesenchymal transition and metastasis in human ovarian cancer." in: **Oncology reports**, Vol. 38, Issue 3, pp. 1464-1472, (2018) ([PubMed](#)).

Images



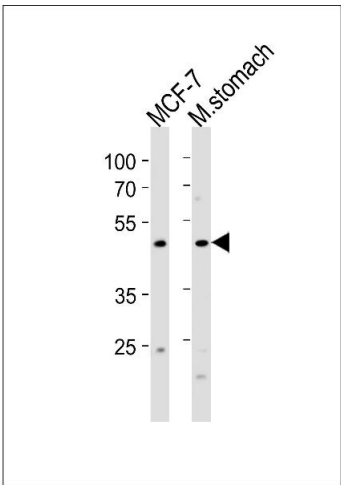
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. FOXA2 Antibody (C-term) (ABIN655970 and ABIN2845355) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FOXA2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of FOXA2 Antibody (C-term) (ABIN655970 and ABIN2845355) 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).



Western Blotting

Image 3. FOXA2 Antibody (C-term) (ABIN655970 and ABIN2845355) western blot analysis in MCF-7 cell line and rat stomach tissue lysates (35 µg/lane). This demonstrates the FOXA2 antibody detected the FOXA2 protein (arrow).