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Datasheet for ABIN185021

anti-FOXA1 antibody (C-Term)

8 Images

1 Publication

Overview

Quantity:	100 µg
Target:	FOXA1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This FOXA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), ELISA

Product Details

Purpose:	FOXA1 / HNF3A
Immunogen:	Peptide with sequence C-GVYSRPVLNTS, from the C Terminus of the protein sequence according to NP_004487.2.
Sequence:	GVYSRPVLNT S
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	FOXA1
Alternative Name:	FOXA1 (FOXA1 Products)
Background:	FOXA1, HNF3A, forkhead box A1, TCF3A, MGC33105, hepatocyte nuclear factor 3, alpha
Gene ID:	3169, 15375, 25098
NCBI Accession:	NP_004487
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Regulation of Intracellular Steroid Hormone Receptor Signaling , Carbohydrate Homeostasis

Application Details

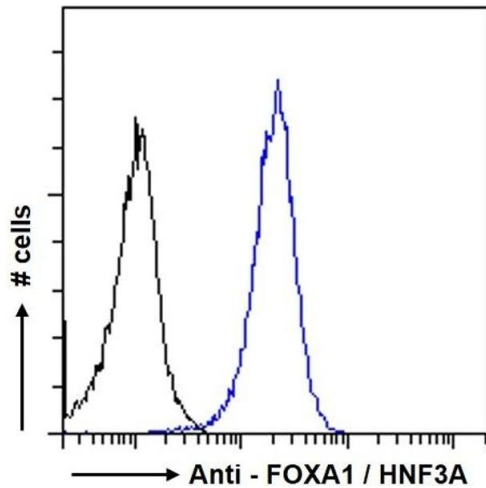
Application Notes:	Western Blot: Approx 50 kDa band observed in nuclear lysates of cell line HepG2 and approx 50-55 kDa in Mouse Liver and in nuclear lysates of cell line MCF7 calculated MW of 49.1 kDa according to Human NP_004487.2 and 48.9 kDa according to Mouse NP_032285.2) Peptide ELISA: antibody detection limit dilution 1:128000.
Comment:	Immunofluorescence: Strong expression of the protein seen in the nuclei of MCF7 and U2OS cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of MCF7 cells. Recommended concentration: 10u
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Product cited in: Bjerke, Pietrzak, Melhuish, Frierson, Paschal, Wotton: "Prostate cancer induced by loss of Apc is restrained by TGF β signaling." in: **PLoS ONE**, Vol. 9, Issue 3, pp. e92800, (2014) ([PubMed](#)).

Images



Flow Cytometry

Image 1. ABIN185021 Flow cytometric analysis of paraformaldehyde fixed MCF7 cells (blue line), permeabilized with 0.5 % Triton. Primary incubation 1hr (10 μ g/mL) followed by Alexa Fluor 488 secondary antibody (1 μ g/mL). IgG control: Unimmunized goat IgG (black line) fol

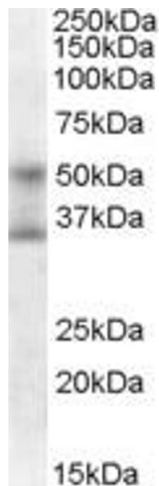
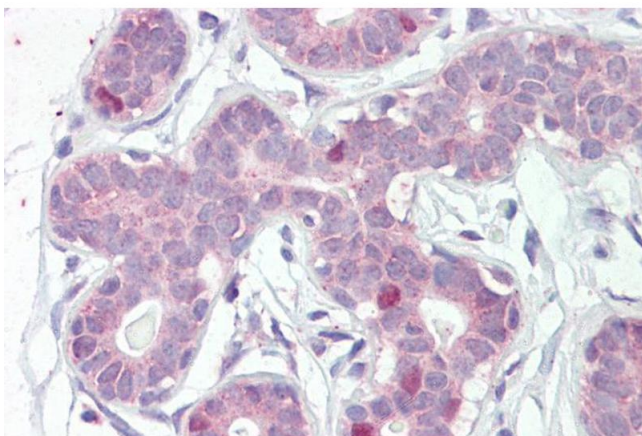


Image 2. ABIN185021 (0.2 μ g/ml) staining of HepG2 lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry

Image 3. ABIN185021 (5 μ g/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN185021.