

Datasheet for ABIN6939655
anti-FOXA1 antibody (AA 372-472)

6 Images

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Overview

Quantity:	100 µg
Target:	FOXA1
Binding Specificity:	AA 372-472
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FOXA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human FOXA1 protein (aa372-472) (exact sequence is proprietary)
Clone:	FOXA1-1518
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	FOXA1
Alternative Name:	FOXA1 (FOXA1 Products)
Background:	The transcription factor Forkhead-box A1 (FOXA1), also known as hepatocyte nuclear factor 3-alpha, is a member of the FOX class of transcription factors. HNF-1 (), and HNF-6 compose, in

Target Details

part, a homeoprotein family designated the hepatocyte nuclear factor family. The various HNF-1 isoforms regulate transcription of genes in the liver as well as in other tissues such as kidney, small intestine and thymus. FOXA1 is expressed in normal breast ductal epithelium and other epithelium in different organs, such as lung, pancreas, bladder, prostate, and colon. Recently, FOXA1 has been shown to be a major determinant of estrogen-ER activity and endocrine response in breast cancer cells. FOXA1 expression correlates with estrogen receptor (ER)-positivity, especially in luminal subtype A breast cancers, which is associated with favorable prognosis. FOXA1 is useful in the sub-classification of breast carcinomas.

Molecular Weight: 49kDa

Gene ID: 3169

UniProt: [P55317](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Carbohydrate Homeostasis](#)

Application Details

Application Notes: Positive Control: HepG-2 or MCF-7 cells. Liver, Pancreas, Bladder, Prostate, Colon and Lung and Breast.

Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0 for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % 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.

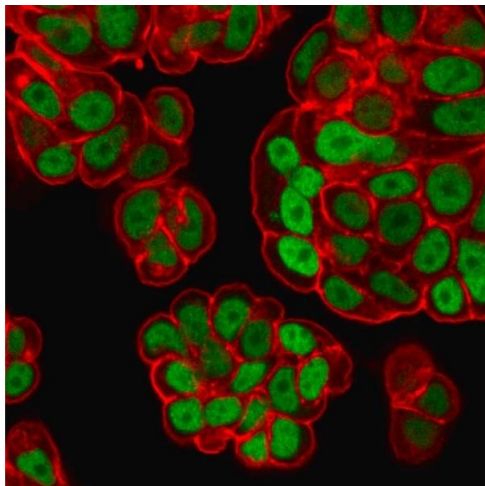
Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous. No MSDS required.

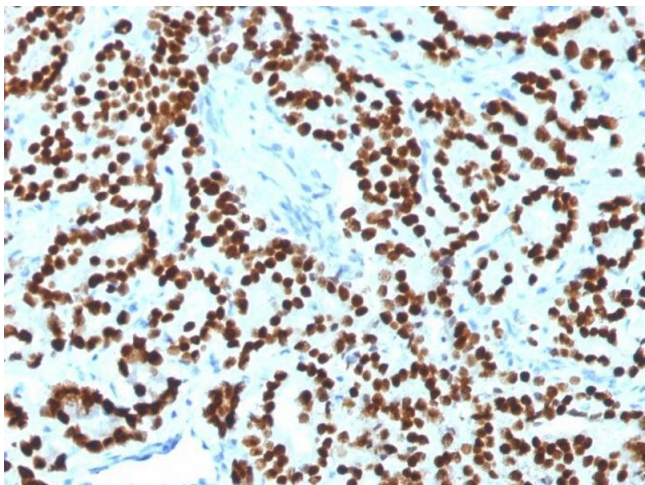
Expiry Date: 24 months

Images



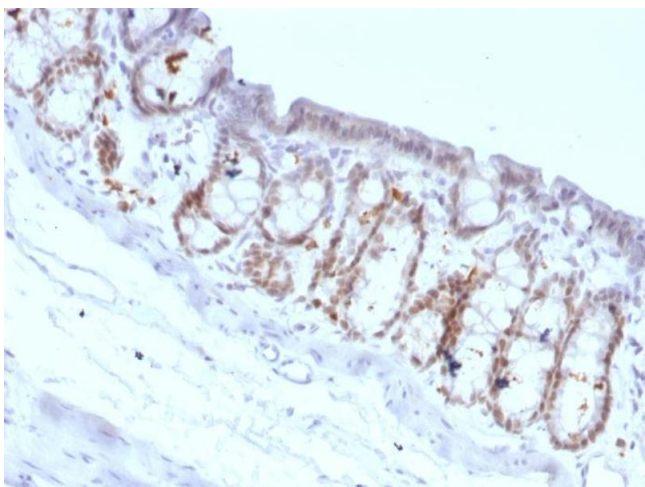
Immunofluorescence

Image 1. Immunofluorescence Analysis of PFA-fixed MCF-7 cells labeled with FOXA1 Monoclonal Antibody (FOXA1/1518) followed by goat anti- mouse IgG-CF488. Counterstain is Phalloiden (Red).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with FOXA1 Monoclonal Antibody (FOXA1/1518).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded Rat Colon stained with FOXA1 Monoclonal Antibody (FOXA1/1518).

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6939655.