

Datasheet for ABIN6939657

**Recombinant anti-FOXA1 antibody (AA 372-472)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	100 µg
Target:	FOXA1
Binding Specificity:	AA 372-472
Reactivity:	Human, Rat
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This FOXA1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunostaining (Ist), Staining Methods (StM)

## Product Details

Immunogen:	Recombinant human FOXA1 protein fragment (around aa372-472) (exact sequence is proprietary)
Clone:	FOXA1-2230R
Isotype:	IgG
Purification:	Purified by Protein A/G

## Target Details

Target:	FOXA1
Alternative Name:	FOXA1 ( <a href="#">FOXA1 Products</a> )

## Target Details

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 ( <a href="#">1</a> ), and HNF-6 compose, in 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:	<a href="#">P55317</a>
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Carbohydrate Homeostasis</a>

## Application Details

Application Notes:	Positive Control: HepG-2 or MCF-7 cells. Liver, Pancreas, Bladder, Prostate, Colon and Lung and Breast.  Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1.0 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by 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

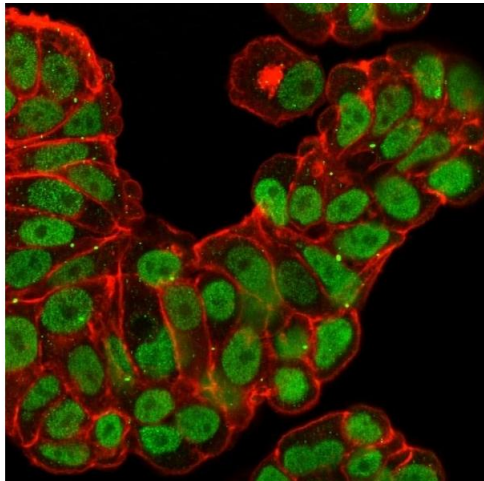
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -80 °C

## Handling

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.

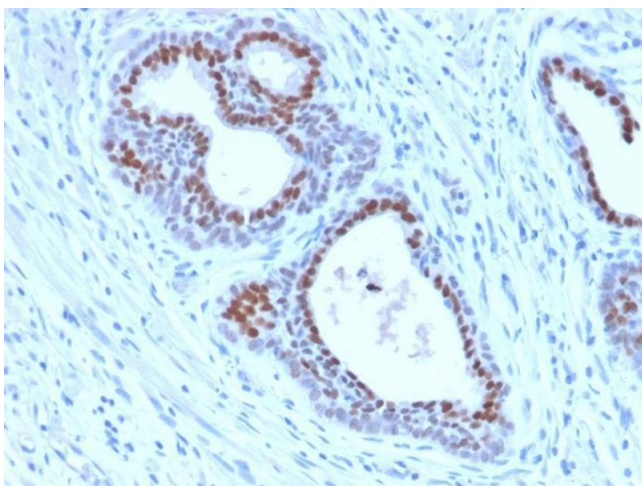
Expiry Date: 24 months

## Images



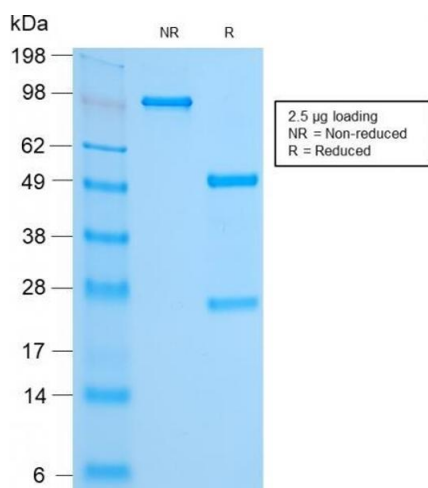
### Immunofluorescence

**Image 1.** Immunofluorescence Analysis of PFA-fixed MCF-7 cells labeled with FOXA1 Rabbit Recombinant Monoclonal Antibody (FOXA1/2230R), followed by goat anti-rabbit IgG-CF488. Phalloiden stains the membrane(Red).



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Tonsil stained with FOXA1 Rabbit Recombinant Monoclonal Antibody (FOXA1/2230R).



### SDS-PAGE

**Image 3.** SDS-PAGE Analysis Purified FOXA1 Rabbit Recombinant Monoclonal Antibody (FOXA1/2230R).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939657.