Datasheet for ABIN6939649

Recombinant anti-FOXA1 antibody (AA 372-472)

3 Images

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Overview

Quantity:	100 µg
Target:	FOXA1
Binding Specificity:	AA 372-472
Reactivity:	Human, Rat
Host:	Mouse
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:	RFOXA1-1515
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	FOXA1
Alternative Name:	FOXA1 (FOXA1 Products)

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 (), 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:	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: Immunohistochemistry (Formalin-fixed) (1-2 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

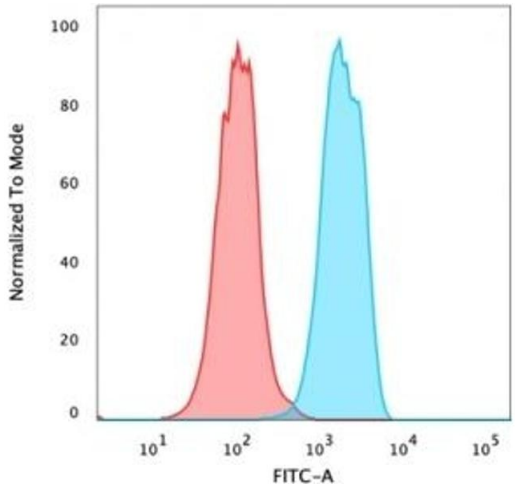
Handling

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

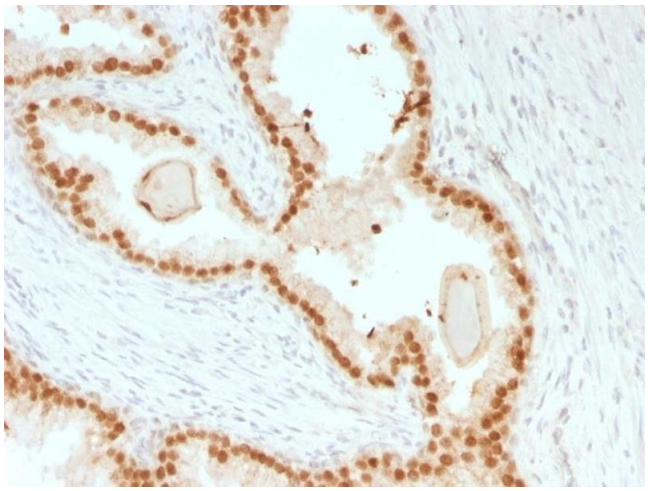
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



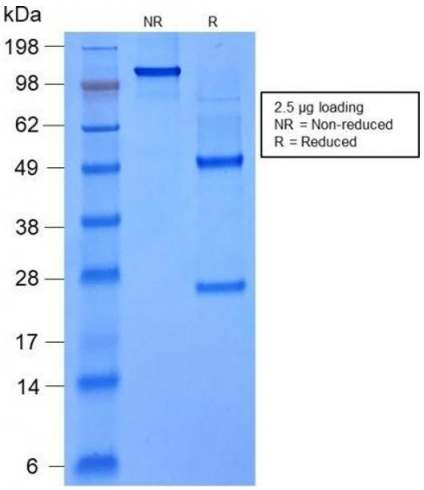
Flow Cytometry

Image 1. Flow Cytometric Analysis of PFA-fixed permeabilised MCF-7 cells using FOXA1 Mouse Recombinant Monoclonal Antibody (rFOXA1/1515). ollowed by goat anti-mouse IgG-CF488 (Blue), Isotype Control (Red).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with FOXA1 Mouse Recombinant Monoclonal Antibody (rFOXA1/1515).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified FOXA1 Mouse Recombinant Monoclonal Antibody (rFOXA1/1515). Confirmation of Purity and Integrity of Antibody.