

# FOXA1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to a region within amino acids 412 and 472 of FOXA1
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.01% thimerosal
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2544633

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	2.5 µg/10 <sup>6</sup> cells	3 Publications
Immunocytochemistry (ICC)	1:100-1:1000	-
Immunofluorescence (IF)	1:100-1:1000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1000	-
Immunoprecipitation (IP)	1:100-1:500	1 Publication
Western Blot (WB)	1:500-1:3000	1 Publication
Immunohistochemistry (IHC)	-	1 Publication

## Product Specific Information

Recommended positive controls: A431, HepG2.

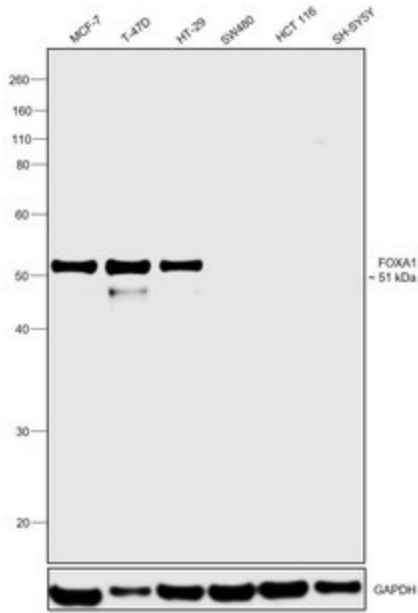
Predicted reactivity: Mouse (100%), Rat (100%), Zebrafish (100%), Xenopus laevis (100%), Bovine (100%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

## Advanced Verification Data

### FOXA1 Antibody (PA5-27157)

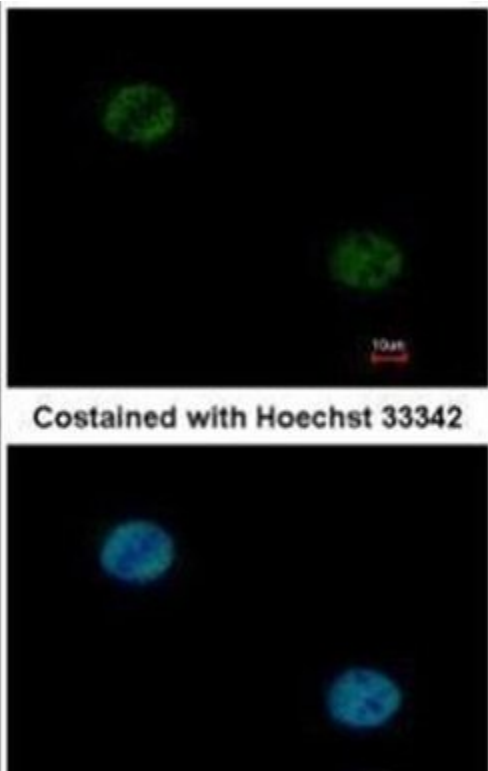
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of FOXA1 was observed in MCF-7, T-47D and HT-29 in comparison to SW480, HCT 116 and SH-SY5Y using Anti-FOXA1 Polyclonal Antibody (Product # PA5-27157) in Western Blot. Relative expression validation info.



## Product Images For FOXA1 Polyclonal Antibody

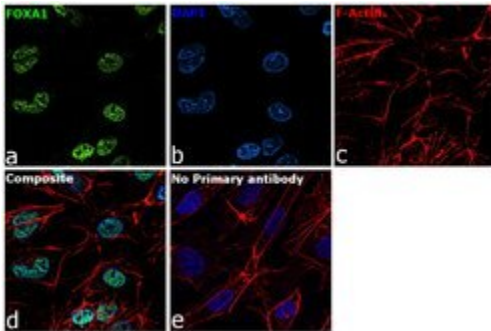
### FOXA1 Antibody (PA5-27157) in IF

Immunofluorescent analysis of FOXA1 in paraformaldehyde-fixed HeLa cells using a FOXA1 polyclonal antibody (Product # PA5-27157) at a 1:1000 dilution.



### FOXA1 Antibody (PA5-27157) in ICC

Immunofluorescence analysis of FOXA1 was performed using 70% confluent log phase Hep G2 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with FOXA1 Polyclonal Antibody (Product # PA5-27157) at 5µg/ml in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731), (1:2000), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing Nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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## Western Blot (1)

### Nature

#### Distinct structural classes of activating FOXA1 alterations in advanced prostate cancer.

"Published figure using FOXA1 polyclonal antibody (Product # PA5-27157) in ChIP assay"

Authors: Parolia A,Cieslik M,Chu SC,Xiao L,Ouchi T,Zhang Y,Wang X,Vats P,Cao X,Pitchiaya S,Su F,Wang R,Feng FY,Wu YM,Lonigro RJ,Robinson DR,Chinnaiyan AM

### Species

Not Applicable

### Dilution

Not Cited

### Year

2019

## Immunohistochemistry (1)

### International journal of molecular sciences

#### Transcriptional Analysis of Immunohistochemically Defined Subgroups of Non-Muscle-Invasive Papillary High-Grade Upper Tract Urothelial Carcinoma.

"PA5-27157 was used in Immunohistochemistry to facilitate the application of easily accessible prognostic biomarkers in practice."

Authors: Jung M, Lee JH, Kim B, Park JH, Moon KC

### Species

Human

### Dilution

1:500

### Year

2019

## Immunoprecipitation (1)

### Nature

#### Distinct structural classes of activating FOXA1 alterations in advanced prostate cancer.

"Published figure using FOXA1 polyclonal antibody (Product # PA5-27157) in ChIP assay"

Authors: Parolia A,Cieslik M,Chu SC,Xiao L,Ouchi T,Zhang Y,Wang X,Vats P,Cao X,Pitchiaya S,Su F,Wang R,Feng FY,Wu YM,Lonigro RJ,Robinson DR,Chinnaiyan AM

### Species

Not Applicable

### Dilution

Not Cited

### Year

2019

## ChIP assay (3)

### Cells

#### Androgen Receptor-Activated Enhancers Simultaneously Regulate Oncogene *TMPRSS2* and lncRNA *PRCAT38* in Prostate Cancer.

"Published figure using FOXA1 polyclonal antibody (Product # PA5-27157) in ChIP assay"

Authors: Chen Z, Song X, Li Q, Xie L, Guo T, Su T, Tang C, Chang X, Liang B, Huang D

### Species

Not Applicable

### Dilution

Not Cited

### Year

2019

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