

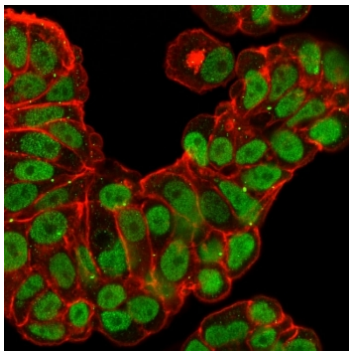
Recombinant FOXA1 Antibody / Rabbit Monoclonal [clone FOXA1/2230R] (V3620)

Catalog No.	Formulation	Size
V3620-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3620-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3620SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3620IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

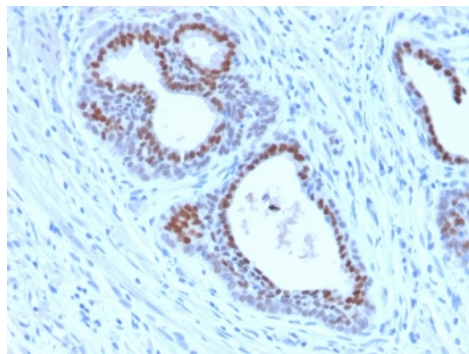
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

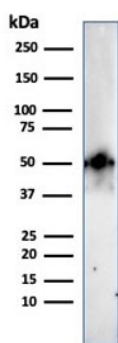
Species Reactivity	Human, Rat
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	FOXA1/2230R
Purity	Protein A affinity chromatography
UniProt	P55317
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT Western blot : 1-2ug/ml Immunofluorescence : 2-4ug/ml Flow cytometry : 1-2ug/million cells
Limitations	This recombinant FOXA1 antibody is available for research use only.



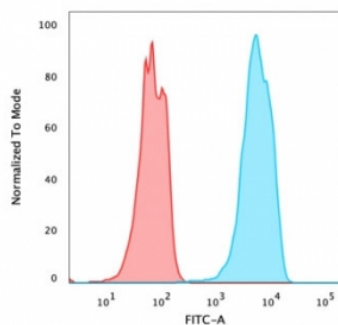
Immunofluorescent staining of PFA-fixed human MCF7 cells with recombinant FOXA1 antibody (clone FOXA1/2230R, green) and Phalloiden (red).



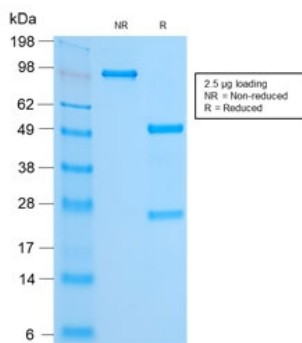
IHC testing of FFPE human tonsil tissue with recombinant FOXA1 antibody (clone FOXA1/2230R). HIER: boil sections in 10mM Tris with 1mM EDTA, pH9 for 10-20 min followed by cooling at RT for 20 min.



Western blot testing of human HeLa cell lysate with recombinant FOXA1 antibody (clone FOXA1/2230R). Predicted molecular weight: ~49 kDa.



FACS testing of PFA-fixed human MCF-7 cells with recombinant FOXA1 antibody (clone FOXA1/2230R); Red=isotype control, Blue= FOXA1 antibody.



SDS-PAGE analysis of purified, BSA-free recombinant FOXA1 antibody (clone FOXA1/2230R) as confirmation of integrity and purity.

Description

The transcription factor Forkhead-box A1, also known as hepatocyte nuclear factor 3-alpha, is a member of the FOX class of transcription factors. HNF-1 ($\hat{1}^{\pm}$ and $\hat{1}^2$), HNF-3 ($\hat{1}^{\pm}$, $\hat{1}^2$ and $\hat{1}^3$), HNF-4 ($\hat{1}^{\pm}$ and $\hat{1}^3$), 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. Its 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.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the recombinant FOXA1 antibody to be titrated up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

A human recombinant partial protein corresponding to amino acids 372-472 was used as the immunogen for this recombinant FOXA1 antibody.

Storage

Store the recombinant FOXA1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

References (1)