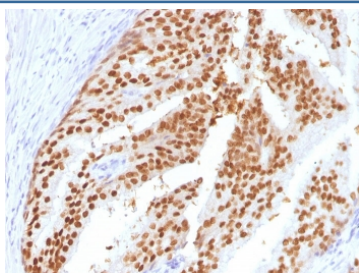


FOXA1 Antibody [clone FOXA1/1516] (V7846)

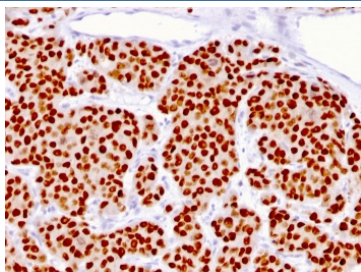
Catalog No.	Formulation	Size
V7846-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7846-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7846SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

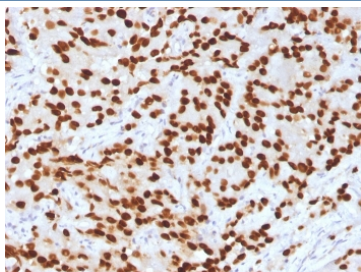
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	FOXA1/1516
Purity	Protein G affinity chromatography
UniProt	P55317
Localization	Nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This FOXA1 antibody is available for research use only.



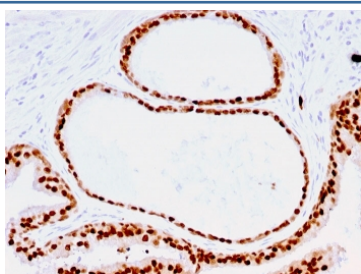
IHC testing of FFPE human PIN (Prostatic Intraepithelial Neoplasia) with FOXA1 antibody (clone FOXA1/1516). HIER: steam sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



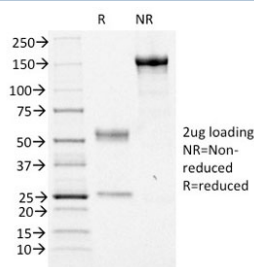
IHC testing of FFPE human prostate with FOXA1 antibody (clone FOXA1/1516). HIER: steam sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC testing of FFPE human prostate with FOXA1 antibody (clone FOXA1/1516). HIER: steam sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



IHC testing of FFPE human prostate with FOXA1 antibody (clone FOXA1/1516). HIER: steam sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free FOXA1 antibody (clone FOXA1/1516) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the FOXA1 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 372-472) was used as the immunogen for the FOXA1 antibody.

Storage

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