

Datasheet for 600-401-BG0**FOXA1 Antibody****Overview**

Description:	Anti-FOXA1 (RABBIT) Antibody - 600-401-BG0
Item No.:	600-401-BG0
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	FOXA1 is one of three members of the FOXA family, a subset of the forkhead family of transcription factors which play vital roles in development. It has also been implicated in the development of a number of other organs including the androgen and estrogen regulated tissues of the breast and prostate. FOXA1 modulates the transcriptional activity of nuclear hormone receptors and regulates apoptosis by inhibiting the expression of BCL-2. It is an essential protein for the transcriptional activity of both androgen receptor (AR) and estrogen receptor-α (ER). FOXA1 plays a pivotal role from early stage cancer through to drug resistant and metastatic disease. FOXA1 is not only an attractive therapeutic target but could potentially function as a novel biomarker.
Synonyms:	FOXA1 Antibody, HNF3A, TCF3A, HNF3A, Hepatocyte nuclear factor 3-α, Forkhead box protein A1, HNF-3-α
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FOXA1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti- FOXA1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the internal region of human FOXA1.
Purity/Specificity:	Anti-FOXA1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of FOXA1 exists as a result of alternative splicing event.
Relevant Links:	• UniProtKB - P55317 • GeneID - 3169 • NCBI - NP_004487

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-FOXA1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 49 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

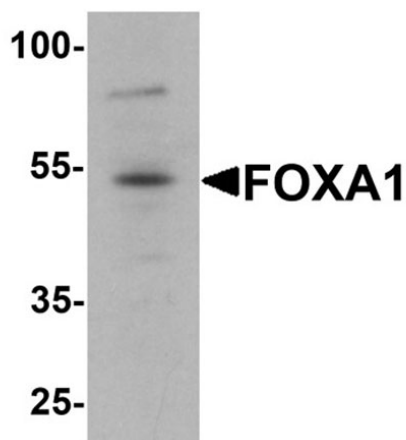
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot analysis of FOXA1.

Load: 293 cell lysate.

Primary Antibody: FOXA1 antibody at 1 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.