

Datasheet for 600-401-BG1**FOXA2 Antibody****Overview**

Description:	Anti-FOXA2 (RABBIT) Antibody - 600-401-BG1
Item No.:	600-401-BG1
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	FOXA2 is one of three members of the FOXA family, a subset of the forkhead family of transcription factors which play vital roles in development. FOXA2 was initially identified through library screening as a closely related homolog of FOXA1. Both FOXA2 and FOXA1 act as transcriptional activators in adult liver and also play a role in body axis formation, neural tube patterning and definitive endoderm formation during gastrulation.
Synonyms:	FOXA2 Antibody, HNF3B, TCF3B, HNF3B, Hepatocyte nuclear factor 3-beta, Forkhead box protein A2, HNF-3-beta
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FOXA2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-FOXA2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the internal region of human FOXA2.

Purity/Specificity: Anti-FOXA2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of FOXA2 are known to exist; this antibody will detect both isoforms. FOXA2 antibody is predicted to not cross-react with other members of the FOXA protein family.

Relevant Links:

- [UniProtKB - Q9Y261](#)
- [GeneID - 3170](#)
- [NCBI - NP_068556](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-FOXA2 Antibody has been tested for use in ELISA, Western Blotting, immunohistochemistry, and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 48 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

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 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

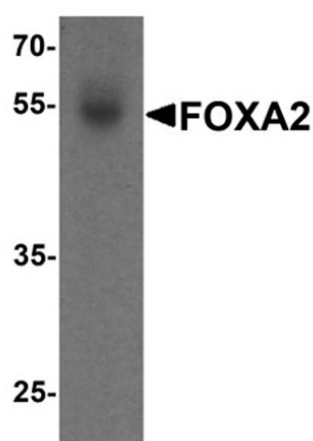
Shipping & Handling

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

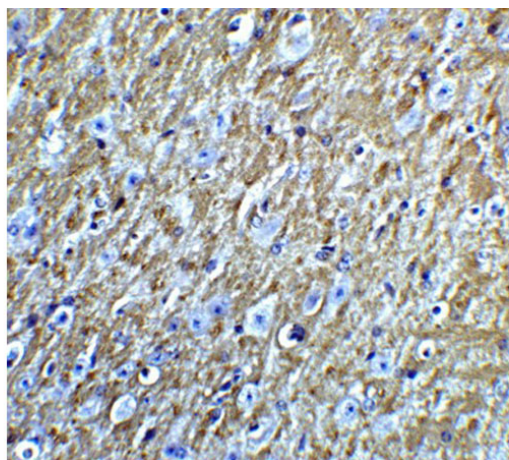


Western Blot

Western blot analysis of FOXA2.

Load: human bladder tissue lysate.

Primary Antibody: FOXA2 antibody at 1 µg/mL.

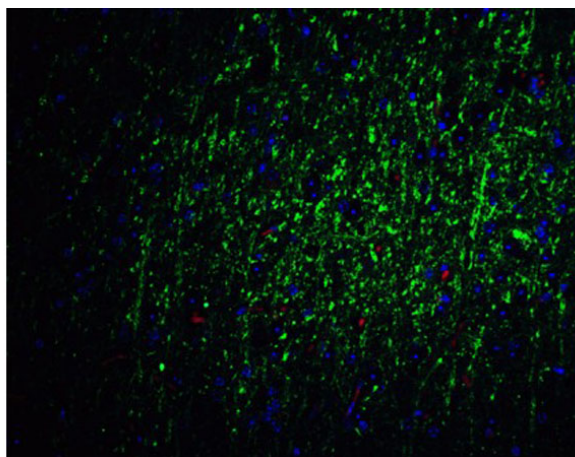


Immunohistochemistry

Immunohistochemistry of FOXA2.

Tissue: mouse brain tissue.

Primary Antibody: FOXA2 Antibody at 5 µg/mL.

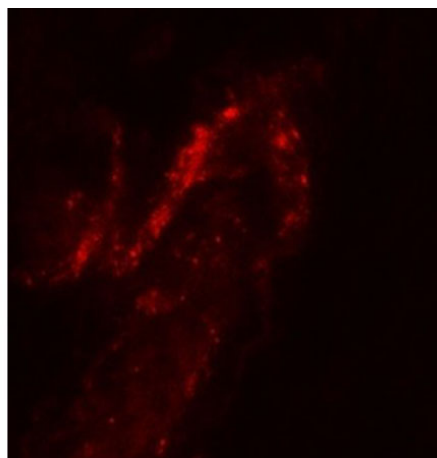
**Immunofluorescence Microscopy**

Immunofluorescence of FOXA2.

Tissue: mouse brain tissue.

Primary Antibody: FOXA2 Antibody at 20 µg/mL.

Staining: FOXA2 antibody (green), Phalloidin staining (red),
DAPI staining (blue).

**Immunofluorescence Microscopy**

Immunofluorescence of FOXA2.

Tissue: human bladder tissue.

Primary Antibody: FOXA2 antibody at 20 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.