

Datasheet for 600-401-BG4**FOXH1 Antibody****Overview**

Description:	Anti-FOXH1 (RABBIT) Antibody - 600-401-BG4
Item No.:	600-401-BG4
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	FOXH1 is a member of the Forkhead-box (FOX) family of transcription factors and is the human homolog of Xenopus forkhead activin signal transducer-1. FOXH1 plays an important role in mediating TGF-beta/activin signals through its interaction with the SMAD2-SMAD4 complex. It is expressed primarily during early development and localizes in the cytoplasm until it forms a complex with the SMAD proteins at which time it translocates to the nucleus to positively or negatively affect gene expression.
Synonyms:	FOXH1 Antibody, FAST1, FAST-1, FAST1, FAST2, Forkhead box protein H1, Forkhead activin signal transducer 1, Fast-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	FOXH1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- FOXH1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the N-terminus of human FOXH1.

Purity/Specificity:	Anti-FOXH1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. FOXH1 antibody is predicted to not cross-react with any other members of the forkhead box family.
Relevant Links:	• UniProtKB - O75593 • GeneID - 8928 • NCBI - NP_003914

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-FOXH1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 39 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
IF:	20 µg/mL
WB:	1-2 µg/mL

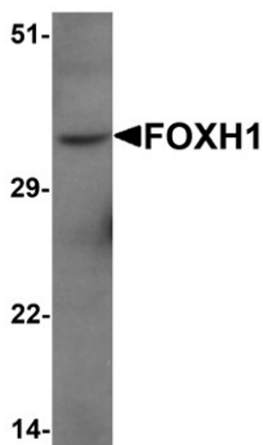
Formulation

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:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

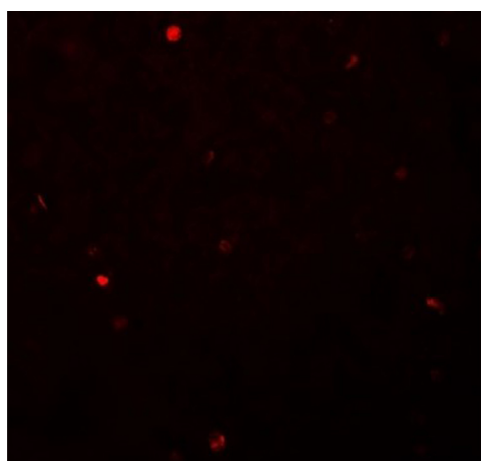


Western Blot

Western blot analysis of FOXH1.

Load: human liver tissue lysate.

Primary Antibody: FOXH1 antibody at 1 µg/mL.



Immunofluorescence Microscopy

Immunofluorescence of FOXH1.

Tissue: human liver tissue.

Primary Antibody: FOXH1 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.