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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

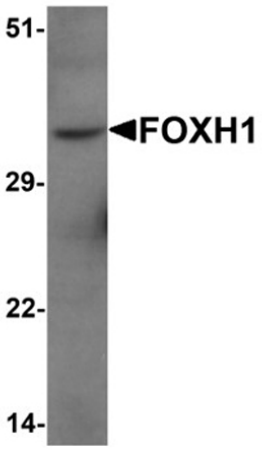
Formulation

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

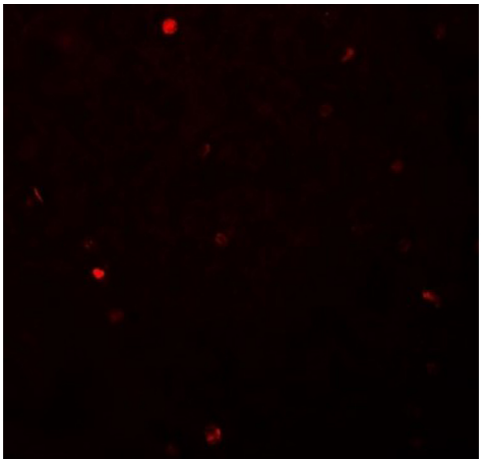
Shipping & Handling

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

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