abcam

Product datasheet

Anti-FOXH1 antibody - N-terminal ab189960

2 References 3 Images

Overview

Product name	Anti-FOXH1 antibody - N-terminal
Description	Rabbit polyclonal to FOXH1 - N-terminal
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide corresponding to Human FOXH1 (N terminal). The peptide corresponds to 19 amino acids. Database link: **O75593**
Positive control	Human prostate and liver tissue. Human liver lysate.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab189960 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 39 kDa.
IHC-P		Use a concentration of 5 µg/ml.

Target

Function Transcriptional activator. Recognizes and binds to the DNA sequence 5'-TGT[GT][GT]ATT-3'. Required for induction of the goosecoid (GSC) promoter by TGF-beta or activin signaling. Forms a transcriptionally active complex containing FOXH1/SMAD2/SMAD4 on a site on the GSC promoter called TARE (TGF-beta/activin response element).

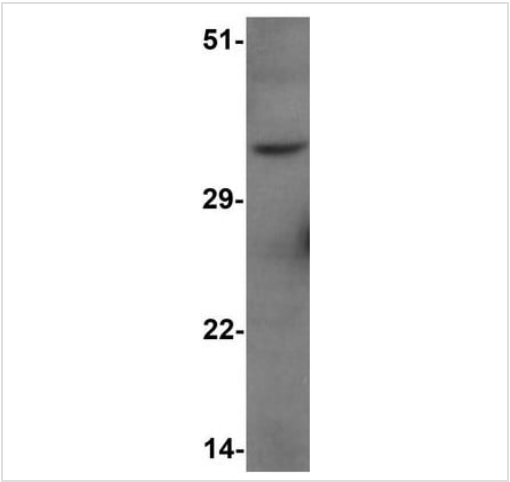
Tissue specificity Ubiquitous.

Sequence similarities Contains 1 fork-head DNA-binding domain.

Domain The FM region is required for binding SMAD2/SMAD4 complexes. FM2 is more effective than FM1 and only interacts with phosphorylated SMAD2 that is in an activated SMAD complex.

Cellular localization Nucleus.

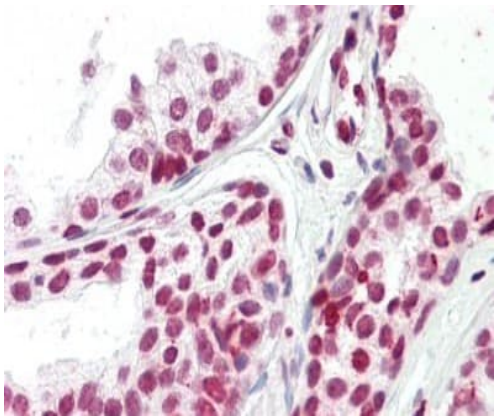
Images



Western blot - Anti-FOXH1 antibody - N-terminal (ab189960)

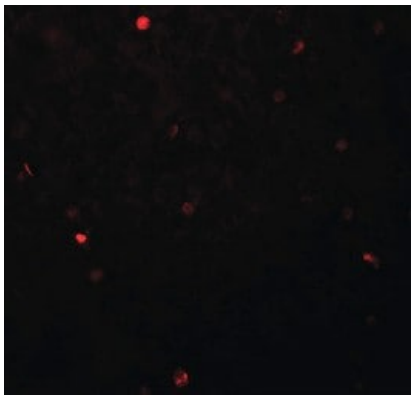
Anti-FOXH1 antibody - N-terminal (ab189960) at 1 µg/ml + human liver tissue lysate

Predicted band size: 39 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXH1 antibody - N-terminal (ab189960)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human prostate tissue labeling FOXH1 with ab189960 at 5 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FOXH1 antibody - N-terminal (ab189960)

Immunofluorescence analysis of human liver tissue labeling FOXH1 with ab189960 at 20 µg/ml.

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