

Anti-FOXH1 Antibody

Catalog # AP61441

Product Information

Application	WB, IF/IC
Primary Accession	O75593
Reactivity	Human, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39257

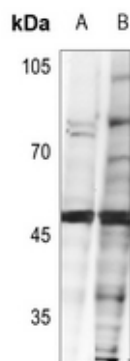
Additional Information

Gene ID	8928
Other Names	FAST1; FAST2; Forkhead box protein H1; Forkhead activin signal transducer 1; Fast-1; hFAST-1; Forkhead activin signal transducer 2; Fast-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human FOXH1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/50 - 1/200) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

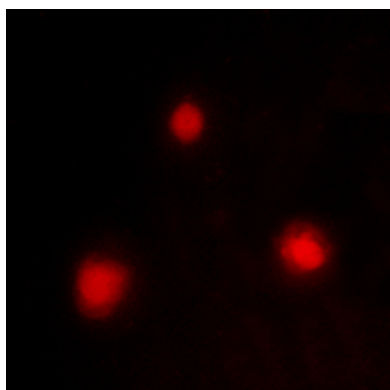
Protein Information

Name	FOXH1
Synonyms	FAST1, FAST2
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).
Cellular Location	Nucleus.
Tissue Location	Ubiquitous..

Images



Western blot analysis of FOXH1 expression in SGC7901 (A), Myla2059 (B) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 50 kD)



Immunofluorescent analysis of FOXH1 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.