

FAST-1/2 Polyclonal Antibody

Catalog No :	YT1679
Reactivity :	Human;Mouse
Applications :	WB;IF;ELISA
Target :	FAST-1/2
Gene Name :	FOXH1
Protein Name :	Forkhead box protein H1
Human Gene Id :	8928
Human Swiss Prot No :	O75593
Mouse Gene Id :	14106
Mouse Swiss Prot No :	O88621
Immunogen :	The antiserum was produced against synthesized peptide derived from human FOXH1. AA range:10-59
Specificity :	FAST-1/2 Polyclonal Antibody detects endogenous levels of FAST-1/2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 40kD

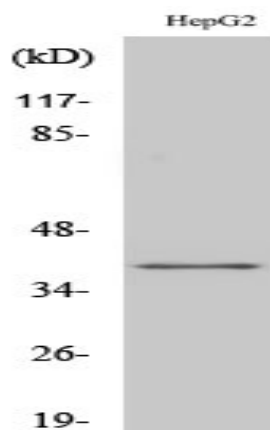
Background : FOXH1 encodes a human homolog of Xenopus forkhead activin signal transducer-1. FOXH1 protein binds SMAD2 and activates an activin response element via binding the DNA motif TGT(G/T)(T/G)ATT. [provided by RefSeq, Jul 2008],

Function : 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.,function:Transcriptional activator. Recognizes and binds to the DNA sequence 5'-TGT[GT][GT]ATT-3'. Required for induction of the gooseoid (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).,similarity:Contains 1 fork-head DNA-binding domain.,subunit:Interacts with the MH2 domains of SMAD2 and SMAD3.,tissue specificity:Ubiquitous.,

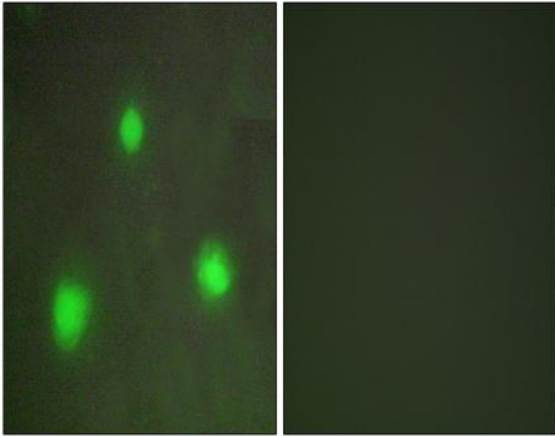
Subcellular Location : Nucleus.

Expression : Ubiquitous.

Products Images



Western Blot analysis of various cells using FAST-1/2 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunofluorescence analysis of A549 cells, using FOXH1 Antibody. The picture on the right is blocked with the synthesized peptide.