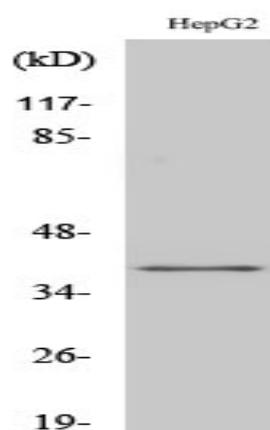


**FAST-1/2 Polyclonal Antibody**

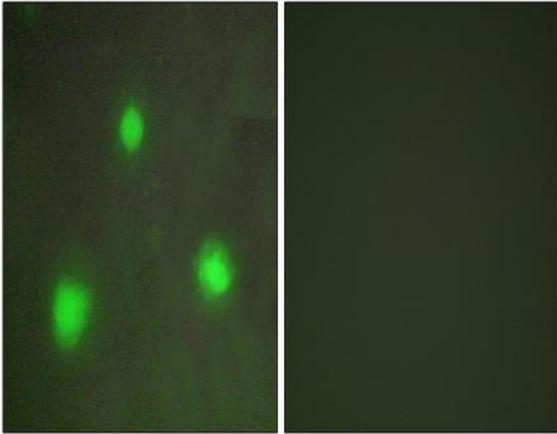
<b>Catalog No :</b>	YT1679
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	FAST-1/2
<b>Gene Name :</b>	FOXH1
<b>Protein Name :</b>	Forkhead box protein H1
<b>Human Gene Id :</b>	8928
<b>Human Swiss Prot No :</b>	O75593
<b>Mouse Gene Id :</b>	14106
<b>Mouse Swiss Prot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

<b>Observed Band :</b>	40kD
<b>Background :</b>	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],
<b>Function :</b>	domain:The FM region is required for binding smad2/smاد4 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.,
<b>Subcellular Location :</b>	Nucleus.
<b>Expression :</b>	Ubiquitous.
<b>Sort :</b>	5958
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

## 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.