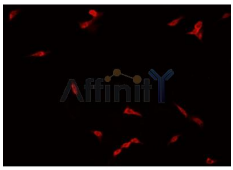
FOXH1 Ab

Cat.#: AF0426	Concn.: 1mg/ml	Mol.Wt.: 40kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	IF/ICC 1:100-1:500
Reactivity:	Human,Mouse
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	FOXH1 Ab detects endogenous levels of FOXH1.
Immunogen:	A synthesized peptide derived from human FOXH1.
Uniprot:	O75593
Description:	FOXH1 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).
Subcellular Location:	Nucleus.
Tissue Specificity:	Ubiquitous.
Similarity:	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 (By similarity).
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



AF0426 staining NCI-H929 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Cat.# S0006), diluted at 1/600, was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab

in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.