

## FoxH1 Polyclonal Antibody

**CATALOG #:** 3892-100

**AMOUNT:** 100 µg

**LOT #:** \_\_\_\_\_

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide surrounding amino acid 55 of mouse FoxH1 (Internal ID# BV-B49).

**SPECIES REACTIVITY:** Human, Mouse, Rat

### FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.

**STORAGE CONDITIONS:** Store at -20°C. For long term storage, store at -70°C.

### DESCRIPTION:

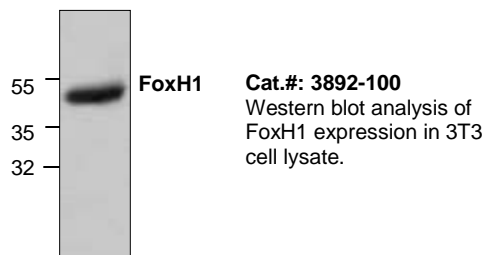
FoxH1 (also known as Forkhead box H1 or FAST-1) is a transcription factor that shares close homology with Xenopus FAST-1. FoxH1 binds to SMAD2/4 and activates activin response through a DNA binding motif region that consist of TGT(G/T)(T/G)ATT sequence. FoxH1 binding to Smad2/Smad4/FAST1 forms a transcriptionally complex structure that can induced TGFβ signal transduction.

### SPECIFICITY:

The antibody recognizes ~44kDa of FoxH1 from samples of human, mouse and rat origins. Reactivity to other species has not been tested.

### APPLICATION AND USAGE:

The antibody can be used for Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3892BP-50) is available separately.



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**FOR RESEARCH USE ONLY! Not to be used on humans.**