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Datasheet for ABIN1699691

anti-FOXH1 antibody (AA 41-140) (AbBy Fluor® 647)

Overview

Quantity:	100 µL
Target:	FOXH1
Binding Specificity:	AA 41-140
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FOXH1 antibody is conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FOXH1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	FOXH1
Alternative Name:	FOXH1 (FOXH1 Products)

Target Details

Background: Synonyms: FAST 1, Fast 2, Fast-1, Fast-2, FAST1, Fast2, Forkhead activin signal transducer 1, Forkhead activin signal transducer 2, Forkhead box H1, Forkhead box protein H1, FOX H1, FOXH 1, FOXH1, FOXH1_HUMAN, hFAST 1, hFAST-1, hFAST1, Human homolog of Xenopus forkhead activin signal transducer 1, TGF beta/Activin signal transducer FAST1.

Background: Xenopus winged-helix factor, xFAST-1 (forkhead activin signal transducer-1) is a transcription factor that forms a complex with the receptor-regulated Smad protein, Smad2, and directly binds to activin response elements on DNA (1,2). The human homolog FAST-1 and the corresponding mouse homolog, designated FAST-2, share significant sequence homology with xFAST-1, including a conserved N-terminal forkhead domain that consists of 110 amino acid residues and is essential for binding DNA and regulating transcription in embryogenesis, in tumorigenesis and in the maintenance of differentiated cell states (3,4). FAST-1 and FAST-2 also contain a distinct C-terminal Smad interaction domain that is required for the association with various Smad proteins, including Smad2, Smad3 and Smad4 (3,5). Expression of FAST-1 and FAST-2 is predominantly observed during early development, with lower levels detected in adult tissues (6,7). FAST-1 and FAST-2 mediated DNA binding is attenuated by both TGF β , and activin, indicating that these FAST proteins mediate TGF β , induced signal transduction (3).

Gene ID: 8928

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 μ g/ μ L

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months