Human FoxH1 Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4248T
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FoxH1 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human FoxB2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human FoxH1 Ser164-Ser272 Accession # O75593
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

FoxH1 (also known as FAST-1) is a 39 kDa, class 2, subfamily H member of the FOX (forkhead box) family of transcription factors. It is a nuclear protein that binds DNA promoter sites. It does not independently regulate transcription but interacts with SMAD2/4 to activate, and SMAD3/4 to inhibit gene transcription. Human FOXH1 is 365 amino acids (aa) in length. It contains an NLS (aa 22-30), one FKH (fork head) DNA-binding domain (aa 32-128) and a SMAD-interaction region (aa 273-354). Over aa 164-272, human FOXH1 is 55% identical to mouse FoxH1.

PRODUCT SPECIFIC NOTICES

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