

SMAD2/SMAD3 Rabbit pAb

Catalog No.: A18674 **20 Publications**

Basic Information

Observed MW

52kDa/60kDa

Calculated MW

48kDa/52kDa/25kDa/35kDa/43kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID

4087/4088

Swiss Prot

Q15796/P84022

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 150-270 of human SMAD2/SMAD3 (NP_005893.1).

Synonyms

HSPC193; HsT17436; JV15-2; LDS1C; LDS3; MADH3; SMAD2/SMAD3

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

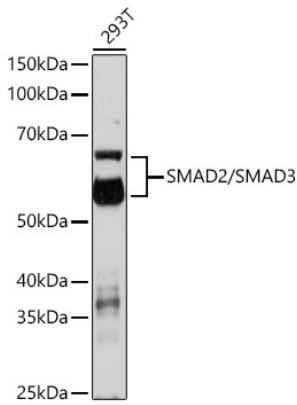
Affinity purification

Storage

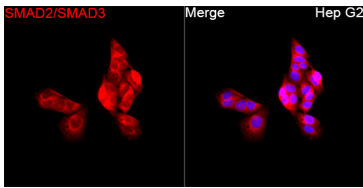
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

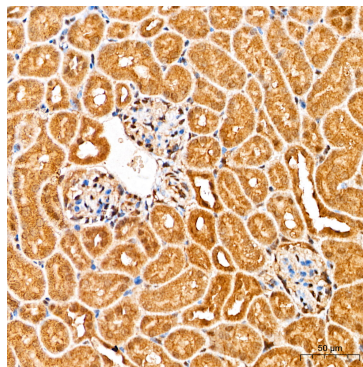
Validation Data



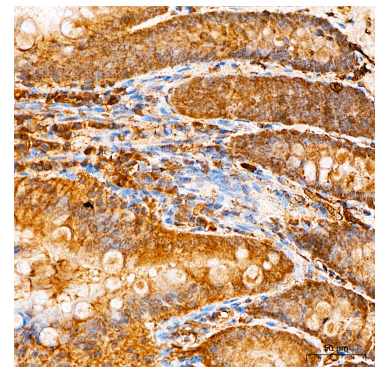
Western blot analysis of various lysates using SMAD2/SMAD3 Rabbit pAb (A18674) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3min.



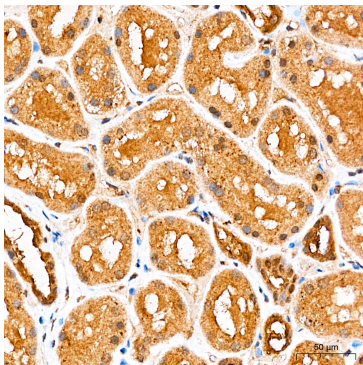
Immunofluorescence analysis of Hep G2 cells using SMAD2/SMAD3 Rabbit pAb (A18674) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using SMAD2/SMAD3 Rabbit pAb (A18674) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat intestine tissue using SMAD2/SMAD3 Rabbit pAb (A18674) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using SMAD2/SMAD3 Rabbit pAb (A18674) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.