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SMAD2/SMAD3 Rabbit pAb

Catalog No.: A24037 **1 Publications**

Basic Information

Observed MW
95kDa

Calculated MW
48kDa/52kDa/25kDa/35kDa/43kDa

Category
Primary antibody

Applications
WB,IF/ICC,ChIP

Cross-Reactivity
Human

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 - 1:1000
IF/ICC	1:50 - 1:200
ChIP	5μg antibody for 10μg-15μg of Chromatin

Immunogen Information

Gene ID
4087/4088

Swiss Prot
Q15796/P84022

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Contact

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Product Information

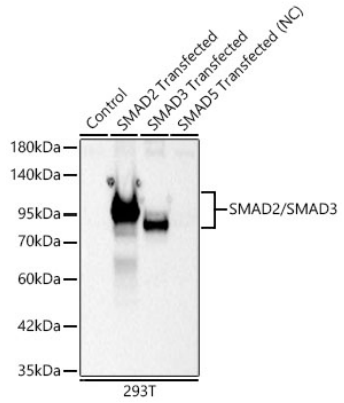
Source
Rabbit

Isotype
IgG

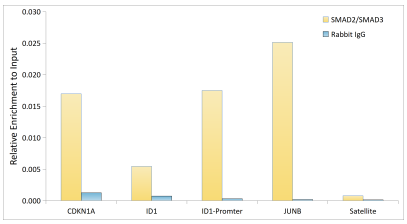
Purification
Affinity purification

Storage
Store at -20℃

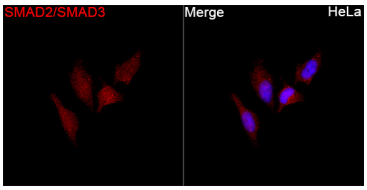
Validation Data



Western blot analysis of lysates from wild type (WT) and 293T cells transfected with SMAD2/SMAD3 using SMAD2/SMAD3 Rabbit pAb (A24037) at 1:1000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
NC:293T cells transfected with SMAD5
Exposure time: 10s.



Chromatin immunoprecipitation was performed with 15 µg of cross-linked chromatin from A549 cells treated by TGF-β (2ng/ml, 4-6h), using 5 µg of SMAD2/SMAD3 (A24037) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



Immunofluorescence analysis of HeLa cells using SMAD2/SMAD3 Rabbit pAb (A24037) 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.