



Smad3 (4H4) Mouse mAb

db6613 Package : 50μL 100μL

Product Name: Smad3 (4H4) Mouse mAb

Cat.No.: db6613

Synonyms: hMAD3; HSPC193; LDS1C; MADH3; JV152

Application: WB, IHC-P

Reactivity: Human, Rat, Mouse

Host species: Mouse

Background Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional

modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases. Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and,

on formation of the SMAD3/SMAD4 complex, activates transcription. Also can form a

SMAD3/SMAD4/JUN/FOS complex at the AP-1/SMAD site to regulate TGF-beta-mediated transcription. Has an inhibitory effect on wound healing probably by modulating both growth and

migration of primary keratinocytes and by altering the TGF-mediated chemotaxis of monocytes.

This effect on wound healing appears to be hormone-sensitive. Regulator of chondrogenesis and osteogenesis and inhibits early healing of bone fractures. Positively regulates PDPK1 kinase

activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative

regulator.

Immunogen Purified recombinant protein expressed in E.coli

Gene ID 4088

Swiss Prot P84022

Synonyms hMAD3; HSPC193; LDS1C; MADH3; JV15 2

Reactivity Human, Rat, Mouse

Application WB, IHC-P

Recommended dilution WB: 1:500-1:1000

IHC: 1:50-1:100

Calculated MW 48 kDa

Observed MW 48 kDa

Host species Mouse

Clonality Monoclonal



For Research Use Only **Product Datasheet**

Clonality No. 4H4-10A10-7B4

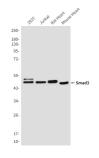
Isotype IgG1

Purity Affinity Purification

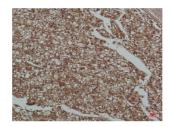
Conjugation Un-conjugated

Storage Stability Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA.

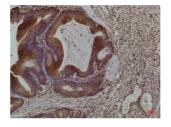
Stable for 12 months from date of receipt.



Western blot analysis of Smad3 (4H4)in 293T, Jurkat, rat Heart, mouse Heart lysates using Smad3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human Liver Tissue using Smad3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemistry analysis of paraffin-embedded Human Colon Carcinoma using Smad3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.