

Smad3 (4H4) Mouse mAb (PBS Only)

db6613-PBS

Package : 可询价

Product Name : Smad3 (4H4) Mouse mAb (PBS Only)**Cat.No.:** db6613-PBS**Synonyms** : hMAD3; HSPC193; LDS1C; MADH3; JV15 2**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

Calculated MW

48 kDa

Observed MW

48 kDa

Host species

Mouse

Clonality

Monoclonal

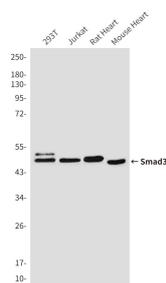
Clonality No.

4H4-10A10-7B4

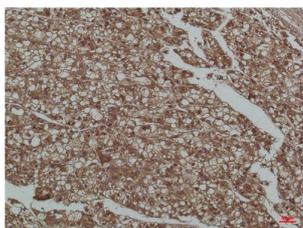
Isotype

IgG1

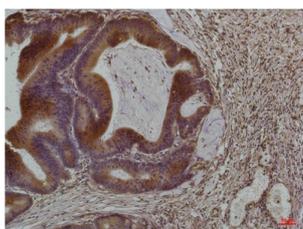
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



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.