



Phospho-Smad3 (Ser425) (7H6) Mouse mAb

db6578 Package : 50μL 100μL

Product Name: Phospho-Smad3 (Ser425) (7H6) Mouse mAb

Cat.No.: db6578

Synonyms: SMAD3; MADH3; Mothers against decapentaplegic homolog 3; MAD homolog 3; Mad3; Mothers

against DPP homolog 3; hMAD-3; JV15-2; SMAD family member 3; SMAD 3; Smad3; hSMAD3

Application: HC-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 Synthetic peptide conjugated to KLH

Gene ID 4088

Swiss Prot P84022

Synonyms SMAD3; MADH3; Mothers against decapentaplegic homolog 3; MAD homolog 3; Mad3; Mothers

against DPP homolog 3; hMAD-3; JV15-2; SMAD family member 3; SMAD 3; Smad3; hSMAD3

Reactivity Human, Rat, Mouse

Application IHC-P

Recommended dilution IHC: 1:50-1:100

Calculated MW 50 kDa

Host species Mouse

Clonality Monoclonal

Clonality No. 7H6-4E5-4H2





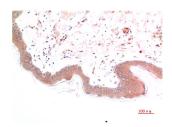
Isotype IgG1

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.



Immunohistochemistry analysis of paraffin-embedded Human Skin Tissue using Phospho-Smad3 (Ser425) (7H6) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using Phospho-Smad3 (Ser425) (7H6) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.