

(Mouse) Smad3 Antibody (Center)

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| Catalog_no : | AB3233 |
| Reactivity : | M, Rat |
| Category : | 抗原抗体 |
| Size : | 100 μ L/50 μ L |
| Immunogen : | HUMAN |
| Specificity : | This mouse Smad3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 188-222 amino acids from the Central region of mouse Smad3. |
| Dilution : | WB,1:1000; |
| Other_name : | Mothers against decapentaplegic homolog 3, MAD homolog 3, Mad3, Mothers against DPP homolog 3, mMad3, SMAD family member 3, SMAD 3, Smad3, Smad3, Madh3 |
| Isotype : | Rabbit Ig |
| 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 (By similarity). |
| reference : | Kano K.,et al.J. Vet. Med. Sci. 61:213-219(1999). Yang X.,et al.Submitted (JUL-1997) to the EMBL/GenBank/DDBJ databases. Carninci P.,et al.Science 309:1559-1563(2005). Liu X.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:10669-10674(1997). Ashcroft G.S.,et |