Rabbit polyclonal antibody to human Smad 2/3: Affinity purified

Catalogue No.:	R-1002-100
Description:	THIS PRODUCT IS TEMPORARILY OUT OF STOCK. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Smad proteins are essential mediators of signal transduction by the TGF-beta superfamily from the cell surface into the nucleus. Once in the nucleus, Smad proteins target a number of DNA binding proteins to stimulate transcription. Smad4, also known as the common-mediator Smad (co-Smad), interacts with the receptor-regulated Smad proteins (R-SMAD). The R-SMAD class includes Smad2 and Smad3.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (EQNGQEEKWCEKAVKS) corresponding to a region from the N-terminus of human Smad2 and Smad3.
Other Names:	Mad3; SMAD 3; Mothers against DPP homolog 3; Mothers against DPP homolog 2; MAD-2; SMAD 2; JV18-1; MADH2; MADH3;
Accession:	Q15796 SMAD2_HUMAN; P84022 SMAD3_HUMAN
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. The predicted length of human Smad2 is 467 amino acids and MW of 52 kDa. The predicted length of Smad3 is 425 amino acids and MW of 48 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect Smad 2/3 in formalin fixed and paraffin embedded tissues as well as formalin/acetone fixed tissues. Heat mediated antigen retrieval is required. A concentration of 0.4-1.0 ug/mL is recommended for IHC-F. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; expected to react with rat and mouse due to sequence homology
Form:	Liquid (0.5ml). 50% glycerol, 0.9mg NaCl and 0.2mg Na2HPO4
Storage:	Aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

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