SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-SMAD1&SMAD9 Monoclonal Antibody

Catalog Number: SLA0805M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG2a/Kappa
Clonality:	Monoclonal
Clone No.:	7F10
SWISS:	Q15797
Target:	SMAD1&SMAD9
Immunogen:	Synthesized peptide derived from human Smad1/9
Purification:	affinity purified by Protein G
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse,Rat,Monkey
Predicted MW.:	52 kDa
Background:	SMAD family member 1 (SMAD1) Homo sapiens The protein encoded by this gene belongs to the SMAD , a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein mediates the signals of the bone morphogenetic proteins (BMPs) , which are involved in a range of biological activities including cell growth , apoptosis , morphogenesis , development and immune responses. In response to BMP ligands , this protein can be phosphorylated and activated by the BMP receptor kinase. The phosphorylated form of this protein forms a

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	complex with SMAD4 , which is important for its function in the transcription regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases , such as SMURF1 and SMURF2 , and undergoes ubiquitination and proteasome-med

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