

## Phospho-Smad1 (Ser463/Ser465) Antibody

Cat. No.:	HY-P80852
Synonyms:	Phospho-Smad1 (Ser463/Ser465) Antibody is a non-conjugated and Rabbit originated monoclonal antibody about 52 kDa, targeting to Phospho-Smad1 (Ser463/Ser465). It can be used for WB,IP assays with tag free, in the background of Human, Rat.
Host:	Rabbit
Reactivity:	Human,Rat
Conjugation:	Non-conjugated
SwissProt ID:	Q15797
Research Field:	Signal Transduction
Molecular Weight:	Predicted band size: 52 kDa

### PROPERTIES

Formulation	Supplied in 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol and 0.05% BSA. Preservative: 0.01% Sodium azide							
Purity	affinity purified							
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.							
Appearance	Liquid							
Application & Dilution Ratio	<table> <thead> <tr> <th>Application</th> <th>Dilution Ratio</th> </tr> </thead> <tbody> <tr> <td>WB</td> <td>1:500-1:1,000</td> </tr> <tr> <td>IP</td> <td>1:20</td> </tr> </tbody> </table>	Application	Dilution Ratio	WB	1:500-1:1,000	IP	1:20	
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WB	1:500-1:1,000							
IP	1:20							
Shipping	Shipping with blue ice.							

### DESCRIPTION

Background	<p>Smad1: 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 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-mediated degradation. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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