

For Research Use Only

# Phospho-SMAD1 (Ser187) Recombinant antibody, PBS Only

Catalog Number: 85388-4-PBS



## Basic Information

Catalog Number:

85388-4-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC001878

GeneID (NCBI):

4086

UNIPROT ID:

Q15797

Full Name:

SMAD family member 1

Calculated MW:

52 kDa

Purification Method:

Protein A purification

CloneNo.:

250292C10

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

Transforming growth factor- $\beta$  (TGF- $\beta$ ) superfamily is recognized as one of the largest families of secreted multifunctional peptides exerting different biological effects on a large variety of cell types, such as regulation of hormone secretion, stimulation of extracellular matrix formation, the inhibition of proliferation of many cell types, cell survival, bone formation, and chemotaxis for inflammatory cells. One of the most important proteins that modulate TGF- $\beta$  ligand activity is the SMAD family proteins. SMAD1 is one of the receptor-activated Smads. It's also a signal transducers of BMP signaling and binds to several proteins involved in ubiquitin-proteasome system (UPS).

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

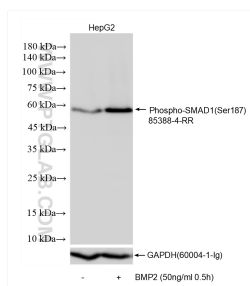
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Non-treated HepG2 cells and BMP2 treated HepG2 cells were subjected to SDS PAGE followed by western blot with 85388-4-RR (Phospho-SMAD1 (Ser187) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control. This data was developed using the same antibody clone with 85388-4-PBS in a different storage buffer formulation.