For Research Use Only

Phospho-SMAD1 (Ser187) Polyclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:28865-1-AP 1 Publications

Basic Information

Catalog Number:
28865-1-AP

Size:
350 μg/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

Observed MW:
60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human

Cited Species:
rat

Positive Controls:

WB : BMP2 treated HepG2 cells,

Background Information

Transforming growth factor-β (TGF-β) 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-β 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).

Notable Publications

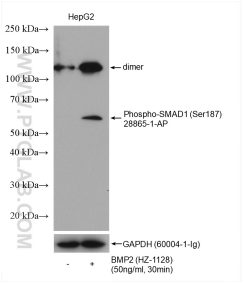
Author	Pubmed ID	Journal	Application
You Peng	36398315	Cardiol Res Pract	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Non-treated HepG2 and BMP2 (HZ-1128) treated HepG2 cells were subjected to SDS PAGE followed by western blot with 28865-1-AP (Phospho-SMAD1 (Ser187) antibody) at dilution of 1:2000 incubated at 4℃ overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.