For Research Use Only

Phospho-SMAD1 (Ser206) Polyclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:28893-1-AP

Basic Information

Catalog Number:
28893-1-AP

Size:
100ul , Concentration: 150 μg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC001878

GeneID (NCBI):
4086

Full Name:
SMAD family member 1

Calculated MW:
52 kDa

Observed MW:
60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

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).

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

***** 20ul sizes contain 0.1%BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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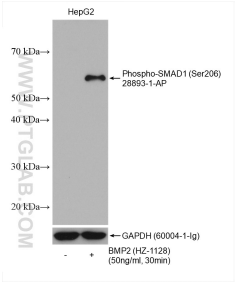
Selected Validation Data



Non-treated HepG2 and BMP2 (HZ-1128) treated HepG2 cells were subjected to SDS PAGE followed by western blot with 28893-1-AP (Phospho-SMAD1 (Ser206) antibody) at dilution of 1:800 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.