

For Research Use Only

Phospho-SMAD1 (Ser187) Polyclonal antibody



Catalog Number: 28865-1-AP

Basic Information

Catalog Number: 28865-1-AP	GenBank Accession Number: BC001878	Purification Method: Antigen affinity purification
Size: 100UL, Concentration: 350 µg/ml by Nanodrop;	GeneID (NCBI): 4086	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	Full Name: SMAD family member 1	
Isotype: IgG	Calculated MW: 52 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : BMP2 treated HepG2 cells,
Species Specificity: Human	

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 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

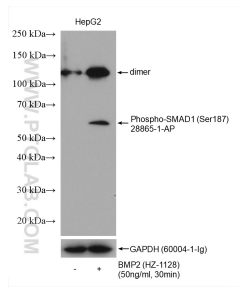
For technical support and original validation data for this product please contact:

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Selected Validation Data



Non-treated HepG2 and BMP2 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°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.