

For Research Use Only

Phospho-SMAD1 (Ser214) Polyclonal antibody



Catalog Number: 28895-1-AP

1 Publications

Basic Information

Catalog Number:

28895-1-AP

Size:

450 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:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

mouse

Positive Controls:

WB : BMP2 treated HepG2 cells,

Background Information

SMAD family member 1 (Smad1) have been involved in metastatic progression of many cancer types. Smad1 can be induced by many tumor-stimulating cytokines such as the bone morphogenetic protein 2 (BMP2) and TNF α and plays important roles in cell invasion and metastasis. BMP2 signalling is initiated by binding to its specific receptors, which leads to the phosphorylation and nuclear translocation of Smad1. Translocated Smad1 then modulates the expression of downstream osteogenic genes. (PMID: 32954678, PMID: 30008908)

Notable Publications

Author	Pubmed ID	Journal	Application
Tianyu Li	34823766	Carbohydr Polym	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:

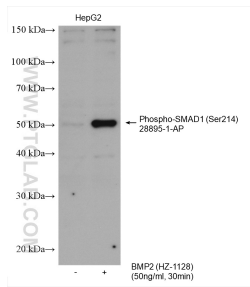
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Selected Validation Data



Non-treated HepG2 and BMP2 (HZ-1128) treated HepG2 cells were subjected to SDS PAGE followed by western blot with 28895-1-AP (Phospho-SMAD1 (Ser214) antibody) at dilution of 1:8000 incubated at room temperature for 1 hours.