

# Phospho-Smad5-S465 Rabbit mAb

Catalog No.: AP1411 **Recombinant**

## Basic Information

### Observed MW

58kDa

### Calculated MW

52kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC59204

## Background

The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

WB 1:1000 - 1:5000

## Immunogen Information

### Gene ID

4090

### Swiss Prot

Q99717

### Immunogen

A synthetic phosphorylated peptide around S465 of human Smad5.

### Synonyms

DWFC; JV5-1; MADH5; Phospho-Smad5-S465

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

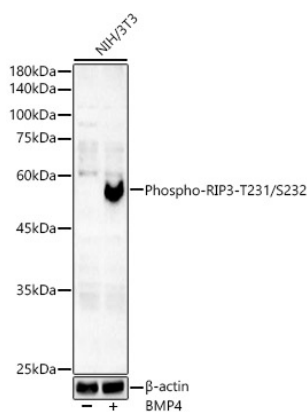
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of NIH/3T3, using Phospho-Smad5-S465 Rabbit mAb (AP1411) at 1:2000 dilution. NIH/3T3 cells were treated by BMP4(50ng/ml) at 37°C for 6 hours.

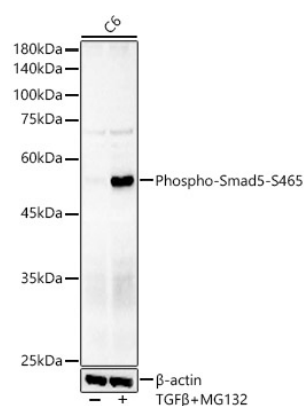
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Western blot analysis of C6, using Phospho-Smad5-S465 Rabbit mAb (AP1411) at 1:2000 dilution. C6 cells were treated by MG132(50 µM) and TGFβ at 37°C for 90 minutes.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.