

## Smad5 (Phospho-Ser463/Ser465) Rabbit mAb

Catalog No: #14137



Package Size: #14137-1 50ul #14137-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

|                       |  |
|-----------------------|--|
| Product Name          | Smad5 (Phospho-Ser463/Ser465) Rabbit mAb   |
| Host Species          | Recombinant Rabbit   |
| Clonality             | Monoclonal   |
| Isotype               | Rabbit IgG   |
| Purification          | Affinity-chromatography  |
| Applications          | WB;ICC/IF;IHC  |
| Species Reactivity    | Human;Mouse;Rat  |
| Specificity           | Phospho-Smad5 (S463/465) Antibody detects endogenous levels of total Phospho-Smad5 (S463/465)      |
| Immunogen Description | A synthesized peptide derived from human Phospho-Smad5 (S463/465)                                  |
| Conjugates            | Unconjugated   |
| Other Names           | hSmad5; JV5-1 ; MADH5; SMAD5; MusMLP ;SMAD family member 5;  |
| Accession No.         | Uniprot:Q99717   |
| Calculated MW         | 52 kDa   |
| SDS-PAGE MW           | 58 kDa   |
| Formulation           | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.                     |

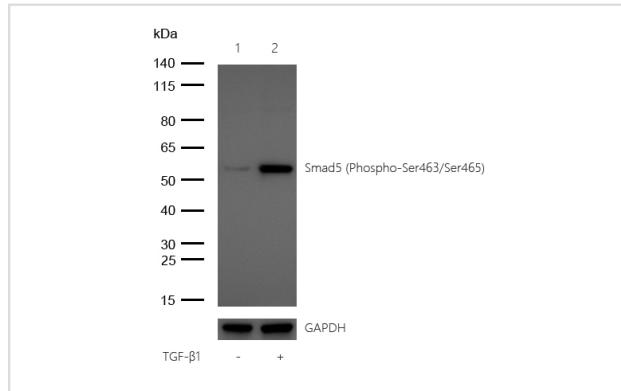
## Application Details

WB: 1:500-1:2000

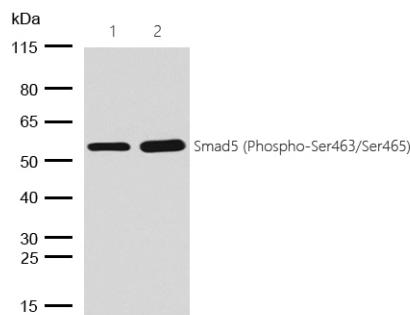
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

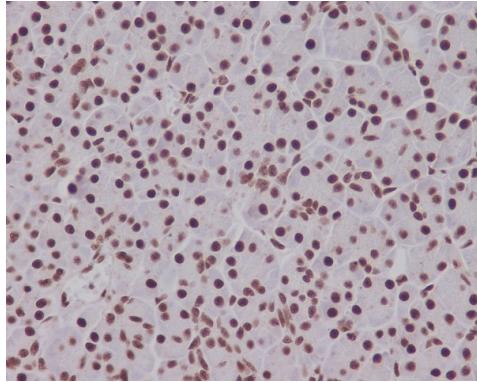
## Images



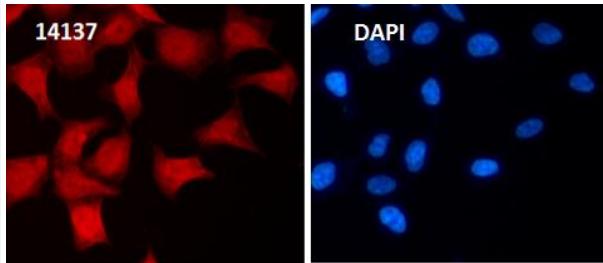
All lanes :Smad5 (Phospho-Ser463/Ser465) Rabbit mAb at 1/1k dilutionLane 1 : HepG2 whole cell lysatesLane 2 : HepG2 treated with 20 ng/mL TGF $\beta$ 1 for 15 minutes whole cell lysatesLysates/proteins at 20  $\mu$ g per lane.SecondaryAll lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilutionPredicted band size: 52 kDa Observed band size: 58 kDaExposure time: 5 seconds



All lanes :Smad5 (Phospho-Ser463/Ser465) Rabbit mAb at 1/1k dilutionLane 1 : Mouse Brain lysatesLane 2 : Rat Brain lysatesLysates/proteins at 20  $\mu$ g per lane.SecondaryAll lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilutionPredicted band size: 52 kDa Observed band size: 58 kDaExposure time: 4 seconds



Formalin-fixed;paraffin-embedded human pancreas tissue stained for Smad5 (Phospho-Ser463/Ser465) using 14137 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Smad5 (Phospho-Ser463/Ser465) antibody (14137)  
ICC/IF staining of (Phospho-Ser463/Ser465) in 293T cells.  
Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.  
Samples were incubated with 14137 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit;used at a dilution of 1/500.  
Nuclei were counterstained with DAPI.

## Product Description

Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD). SMAD5 is required for normal development of the cardiovascular system in vivo; lack of the SMAD5 gene results in apoptosis of cardiac myocytes.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.