

Smad2 (Phospho-S250) Rabbit mAb

Catalog No: #13406

Package Size: #13406-1 50ul #13406-2 100ul

Description

Product Name	Smad2 (Phospho-S250) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SD207-1
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Ser250 of human Smad2.
Conjugates	Unconjugated
Other Names	Drosophila, homolog of, MADR2 antibody hMAD-2 antibody HsMAD2 antibody JV18 antibody JV18-1 antibody JV181 antibody MAD antibody MAD homolog 2 antibody MAD Related Protein 2 antibody Mad-related protein 2 antibody MADH2 antibody MADR2 antibody MGC22139 antibody MGC34440 antibody Mother against DPP homolog 2 antibody Mothers against decapentaplegic homolog 2 antibody Mothers against decapentaplegic, Drosophila, homolog of, 2 antibody Mothers against DPP homolog 2 antibody OTTHUMP00000163489 antibody Sma and Mad related protein 2 antibody Sma- and Mad-related protein 2 MAD antibody SMAD 2 antibody SMAD family member 2 antibody SMAD, mothers against DPP homolog 2 antibody SMAD2 antibody SMAD2_HUMAN antibody
Accession No.	Swiss-Prot#:Q15796
Calculated MW	Predicted band size: 52 kDa
SDS-PAGE MW	Observed band size: 62kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

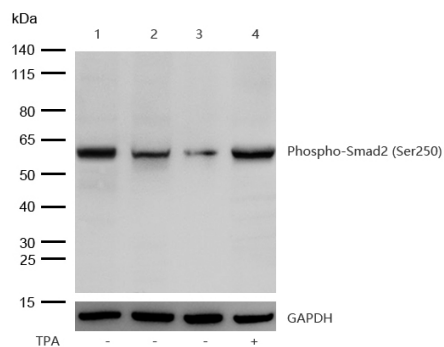
Application Details

WB: 1:500-1:2000

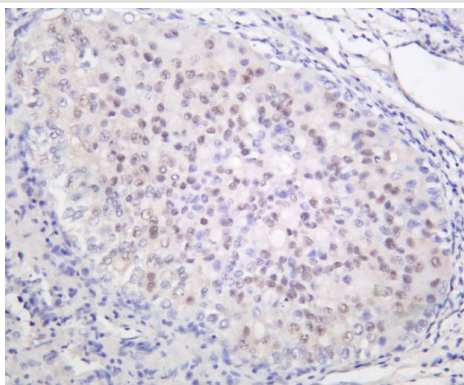
ICC/IF: 1:50-1:200

IHC: 1:50-1:200

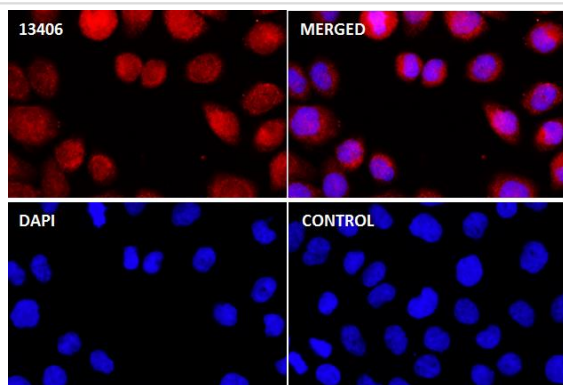
Images



All lanes : Smad2 (Phospho-Ser250) Rabbit mAb at 1/1k dilution
 Lane 1 : Mouse Brain lysates
 Lane 2 : C6 whole cell lysates
 Lane 3 : HeLa whole cell lysates
 Lane 4 : HeLa treated with 200nM TPA for 30 min whole cell lysates
 Lysates/proteins at 20 µg per lane.
 Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
 Predicted band size: 52 kDa
 Observed band size: 62kDa
 Exposure time: 4 seconds



Formalin-fixed, paraffin-embedded human hepatocellular carcinoma tissue stained for Smad2 (Phospho-S250) using 13406 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence Smad2 (Phospho-S250) antibody (13406)
 ICC/IF staining of Smad2 (Phospho-S250) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
 Samples were incubated with 13406 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.
 The negative control is shown in bottom right hand panel - for the negative control.
 Nuclei were counterstained with DAPI.

Background

Smad proteins, the mammalian homologs of the Drosophila mothers against decapentaplegic (Mad), have been implicated as downstream effectors of TGFβ/BMP signaling. Smad1 (also designated Madr1 or JV4-1) and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGFβ and Activin-mediated growth modulation. Smad4 (also designated DPC4) has been shown to mediate all of the above activities through interaction with various Smad family members. Smad6 and Smad7 regulate the response to Activin/TGFβ signaling by interfering with TGFβ-mediated phosphorylation of other Smad proteins.

References

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