

Product Datasheet

Anti-P-SMAD2(S465+S467)/ P-SMAD3(S423+S425) Rabbit pAb



WL02305

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-SMAD2(S465+S467)/P-SMAD3(S423+S425) Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat, Rabbit	
Tested applications	WB	1:500-1:1000
	IHC	1:100-1:200
	IF	1:300
Cellular localization	Cytoplasm. Nucleus	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	Members of the Smad family of signal transduction molecules are components of a critical intracellular pathway that transmit TGF-β signals from the cell surface into the nucleus. Smad1 and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 and Smad3 are involved in TGF-β and Activin-mediated growth modulation. TGFβ type I receptor mediates phosphorylation of Smad2 (also designated Madr2 or JV18-1) at the C-terminal Ser 465 and Ser 467 residues, and phosphorylation of Smad3 at the C-terminal Ser 423 and Ser 425 residues in an obligate order. Upon phosphorylation and activation by the active TGFβ receptor complex, Smad2 and Smad3 homo-oligomerize or hetero-oligomerize with Smad4, and translocate into the nucleus.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-SMAD2(S465+S467)/P-SMAD3(S423+S425).
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

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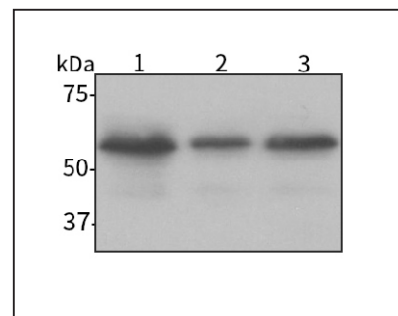
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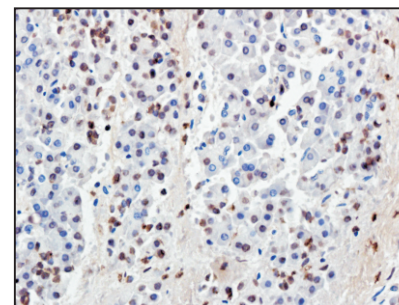
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Product Images



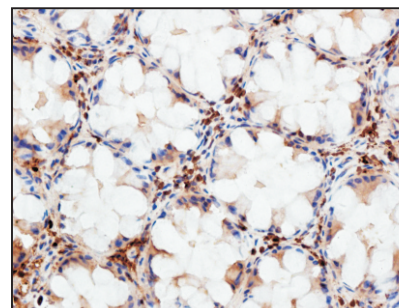
Western blot-Anti-P-SMAD2/3 pAb

Lane 1: Human HEP-G2 cell lysate
Lane 2: Human Jurkat cell lysate
Lane 3: Human Hela cell lysate
All lanes: Anti-P-SMAD2/3 at 1:1000 dilution
Lysates/proteins at 20-50 µg per lane.
Predicted band size: 52 kDa
Observed band size: 52-60 kDa



Immunohistochemistry-Anti-SMAD2/3 pAb

Immunohistochemical analysis of paraffin-embedded mouse kidney using anti-SMAD2/3 Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-SMAD2/3 pAb

Immunohistochemical analysis of paraffin-embedded human colon cancer using anti-SMAD2/3 Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

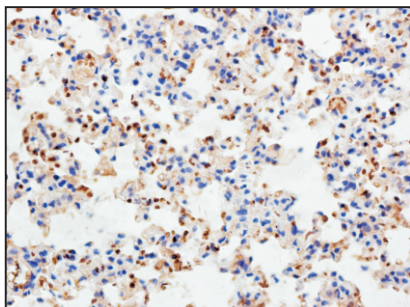
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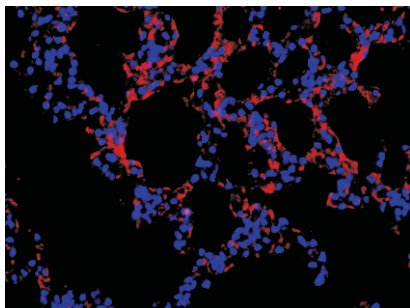
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Immunohistochemistry-Anti-SMAD2/3 pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-SMAD2/3 Rabbit Antibody at 1:200 dilution.

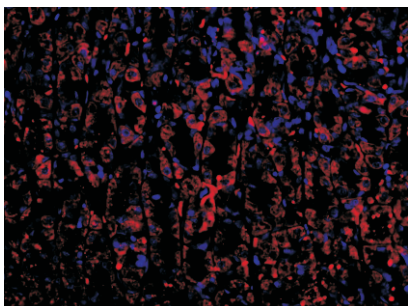
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-SMAD2/3 pAb

Immunofluorescence analysis of paraffin-embedded rat lung using anti-SMAD2/3 Rabbit Antibody at 1:300 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-SMAD2/3 pAb

Immunofluorescence analysis of paraffin-embedded rat stomach using anti-SMAD2/3 Rabbit Antibody at 1:300 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0