

# Anti-SMAD2 (pS467) Antibody

Rabbit polyclonal antibody to SMAD2 (pS467)  
Catalog # AP60396

## Product Information

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<b>Application</b>	WB, E, IF/IC, IHC
<b>Primary Accession</b>	<a href="#">Q15796</a>
<b>Other Accession</b>	<a href="#">Q62432</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Monkey, Pig, Chicken, Bovine, SARS
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal

## Additional Information

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<b>Other Names</b>	MADH2; MADR2; Mothers against decapentaplegic homolog 2; MAD homolog 2; Mothers against DPP homolog 2; JV18-1; Mad-related protein 2; hMAD-2; SMAD family member 2; SMAD 2; Smad2; hSMAD2
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SMAD2 (pS467). The exact sequence is proprietary.
<b>Dilution</b>	WB~E (1/5000 - 1/10000), WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) E~E (1/5000 - 1/10000), WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~N/A IHC~E (1/5000 - 1/10000), WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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### Background

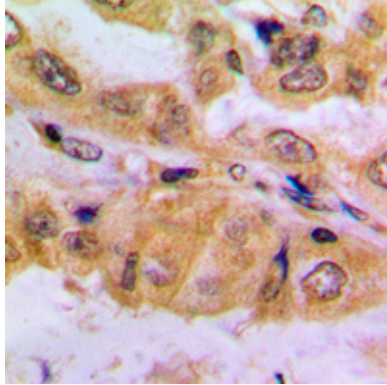
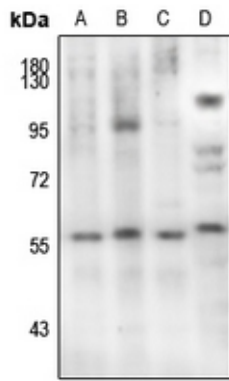
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KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SMAD2 (pS467). The exact sequence is proprietary.

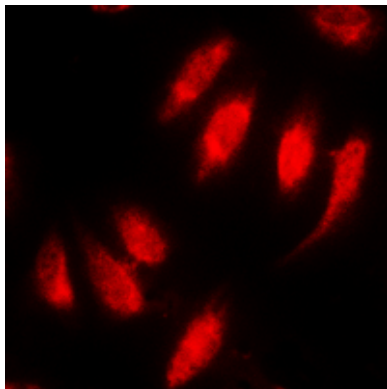
### Images

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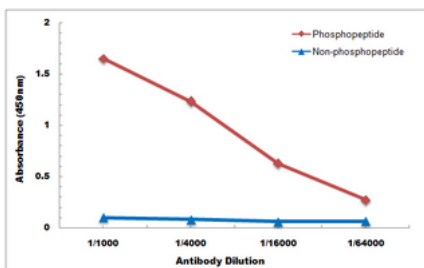
Western blot analysis of SMAD2 (pS467) expression in MCF7 (A), A375 (B), A549 (C), rat heart (D) whole cell lysates.



Immunohistochemical analysis of SMAD2 (pS467) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of SMAD2 (pS467) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Direct ELISA antibody dose-response curve using Anti-SMAD2 (pS467) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.