SMAD2 (phospho Thr8) antibody

Cat. No. GTX25487

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, FCM, ChIP assay
Reactivity	Human, Mouse, Rat

Package
50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
FCM	1:20
ChIP assay	10µl

Not tested in other applications.

Calculated MW 52 kDa. (Note)

Properties

Form	Liquid
Buffer	PBS, 0.1% BSA, 50% Glycerol
Preservative	0.05% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human Smad2 that contains threonine 8. The sequence is conserved in mouse and rat.
Purification	Purified by antigen-affinity chromatography
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

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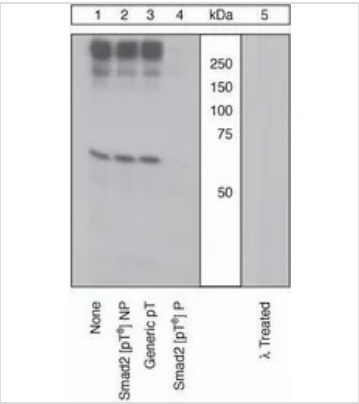
GeneTex, Inc. (North America)
1-877-436-3839 (Toll-free) 1-949-309-2888 sales@genetex.com

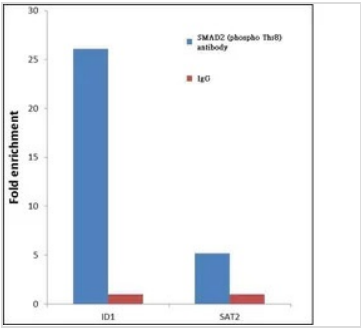
GeneTex International Corporation (Global)
886-3-6208988 886-3-6208989 infoasia@genetex.com

DATA IMAGES



GTX25487 WB Image

WB (peptide competition) analysis of HepG2 cells stimulated with TGF beta using GTX25487 SMAD2 (phospho Thr8) antibody prior incubated with the non-phosphopeptide corresponding to the immunogen (Lane 2), a generic phosphothreonine containing peptide (Lane 3), or, the phosphopeptide immunogen (Lane 4) control. The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody. The membrane treated with phosphatase (Lane 5) eliminates the signal further verifying that the antibody is phospho-specific.



GTX25487 ChIP assay Image

ChIP analysis of 2 million Jurkat cells treated with 50ng/ml of TGF-beta for one hour using GTX25487 SMAD2 (phospho Thr8) antibody. Normal Rabbit IgG was used as a negative IP control. The precipitated DNA was detected by PCR with primer set targeting to the promoter of ID1 gene as positive control and the inactive SAT2 used as negative control target.

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