BOSTER BIOLOGICAL TECHNOLOGY
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Anti-SMAD3-S208 Antibody

Catalog Number: A00059

About SMAD3

SMAD3 belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis.

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Overview

Product Name	Anti-SMAD3-S208 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-SMAD3-S208 Antibody (Catalog # A00059). Tested in WB, Flow Cytometry, IF, IHC-P application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P84022

Technical Details

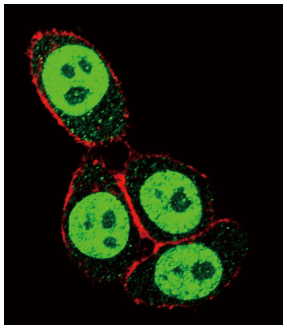
Immunogen	This SMAD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 186-215 amino acids from human SMAD3.
Predicted Reactive Species	Chicken, Pig, Rat
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

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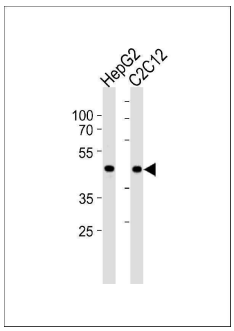
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:1000 IHC-P: 1:10-1:50 FC: 1:10-1:50

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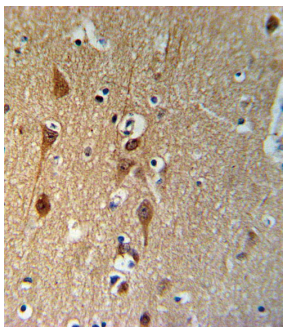
Anti-SMAD3-S208 Antibody (A00059) Images



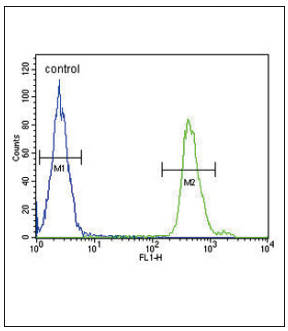
Confocal immunofluorescent analysis of SMAD3-S208 Antibody with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).



SMAD3 Antibody (S208) (Cat. #A00059) western blot analysis in HepG2 and mouse C2C12 cell line lysates (35ug/lane). This demonstrates the SMAD3 antibody detected the SMAD3 protein (arrow).



SMAD3-S208 Antibody (cat. #A00059) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SMAD3-S208 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



SMAD3-S208 Antibody (Cat. #A00059) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

For Research Use Only. Not for use in diagnostic procedures.