

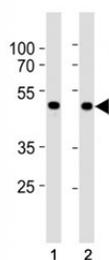
## SMAD3 Antibody (F52046)

Catalog No.	Formulation	Size
F52046-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52046-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

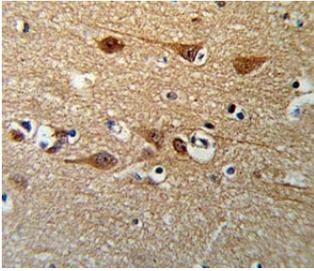
 Citations (1)

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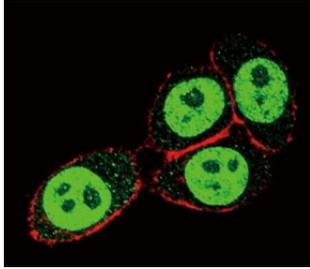
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Rat, Pig, Chicken
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P84022
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	This SMAD3 antibody is available for research use only.



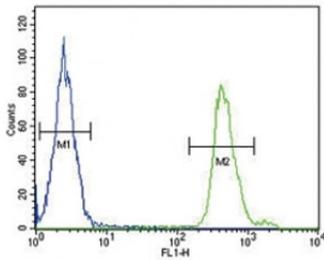
SMAD3 antibody western blot analysis in HepG2 and mouse C2C12 lysate. Observed molecular weight: 48~55 kDa.



SMAD3 antibody IHC analysis in formalin fixed and paraffin embedded brain tissue.



Confocal immunofluorescent analysis of SMAD3 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



SMAD3 antibody flow cytometric analysis of MDA-MB231 cells (green) compared to a [negative control](#) (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

## Description

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.

## Application Notes

Titration of the SMAD3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 186-215 from the human protein was used as the immunogen for this SMAD3 antibody.

## Storage

Aliquot the SMAD3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

