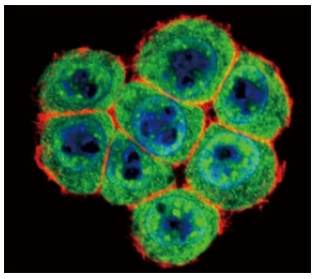
SMAD4 Antibody (F50738)

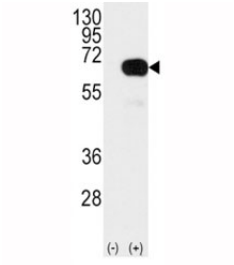
Catalog No.	Formulation	Size
F50738-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50738-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q13485
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50
Limitations	This SMAD4 antibody is available for research use only.



Confocal immunofluorescent analysis of SMAD4 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). DAPI was used as a nuclear counterstain (blue).



Western blot analysis of SMAD4 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the human gene (2). Predicted molecular weight: 60-70 kDa.

Description

SMAD4 is the common SMAD (co-SMAD)mediator of signal transduction by TGF-beta (transforming growth factor). It promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. It may act as a tumor suppressor.

Application Notes

Titration of the SMAD4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 255-284 from the human protein was used as the immunogen for this SMAD4 antibody.

Storage

Aliquot the SMAD4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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