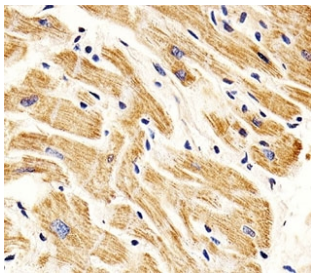
SMAD1 Antibody (F52570)

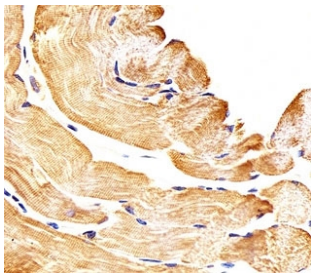
Catalog No.	Formulation	Size
F52570-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52570-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

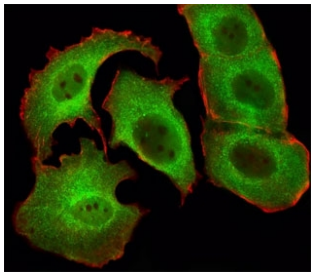
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q15797
Applications	Immunofluorescence: 1:25 IHC (Paraffin): 1:25 Western blot: 1:1000
Limitations	This SMAD1 antibody is available for research use only.



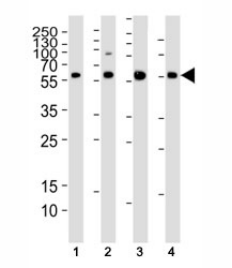
IHC analysis of FFPE human heart section using SMAD1 antibody; Ab was diluted at 1:25.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle section using SMAD1 antibody; Ab was diluted at 1:25 dilution.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle section using SMAD1 antibody; Ab was diluted at 1:25 dilution.



Western blot analysis of lysate from (1) HT-1080, (2) HUVEC, (3) mouse C2C12 cell line and (4) rat liver tissue using SMAD1 antibody at 1:1000. Predicted molecular weight: 52~60 kDa.

Description

SMADs are intracellular proteins that transduce extracellular signals from transforming growth factor beta ligands to the nucleus where they activate downstream gene transcription. The SMADs, which form a trimer of two receptor-regulated SMADs and one co-SMAD, act as transcription factors that regulate the expression of certain genes. There are three classes of SMADs, SMAD1 belongs to the receptor-regulated class (R-SMAD) which includes SMAD2, SMAD3, SMAD5 and SMAD8/9. [Wiki]

Application Notes

Titration of the SMAD1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This SMAD1 antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 163-196 amino acids from the Central region of human SMAD1.

Storage

Aliquot the SMAD1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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