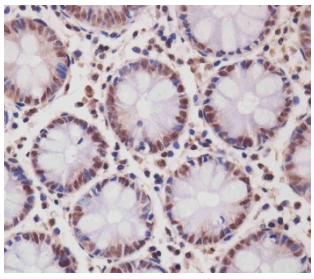
SMAD1 Antibody [clone 1356CT119.18.55] (F54496)

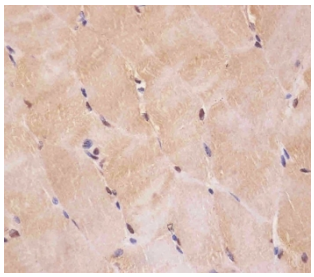
Catalog No.	Formulation	Size
F54496-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54496-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

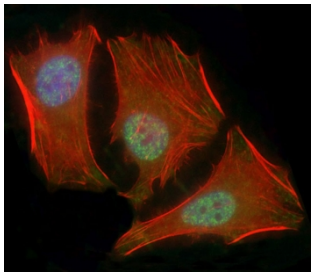
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	IgG1, kappa
Clone Name	1356CT119.18.55
Purity	Protein G affinity
UniProt	Q15797
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:25 Immunofluorescence : 1:25
Limitations	This SMAD1 antibody is available for research use only.



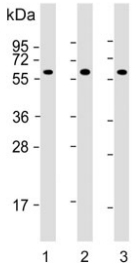
IHC testing of FFPE human colon tissue with SMAD1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



IHC testing of FFPE human skeletal muscle tissue with SMAD1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with SMAD1 antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



Western blot testing of human 1) HT-1080, 2) HeLa and 3) HEK293 cell lysate with SMAD1 antibody. Predicted molecular weight: 52-60 kDa.

Description

Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD1 is a receptor-regulated SMAD (R-SMAD). SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1. May act synergistically with SMAD4 and YY1 in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression.

Application Notes

The stated application concentrations are suggested starting points. Titration of the SMAD1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human protein was used as the immunogen for the SMAD1 antibody.

Storage

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