Datasheet for ABIN3032610

anti-SMAD1 antibody (AA 163-196)

6 Images

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Overview

Quantity:	0.4 mL
Target:	SMAD1
Binding Specificity:	AA 163-196
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

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.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine
Purification:	Antigen affinity purified

Target Details

Target:	SMAD1
Alternative Name:	SMAD1 (SMAD1 Products)
Background:	SMADs are intracellular proteins that transduce extracellular signals from transforming growth

Target Details

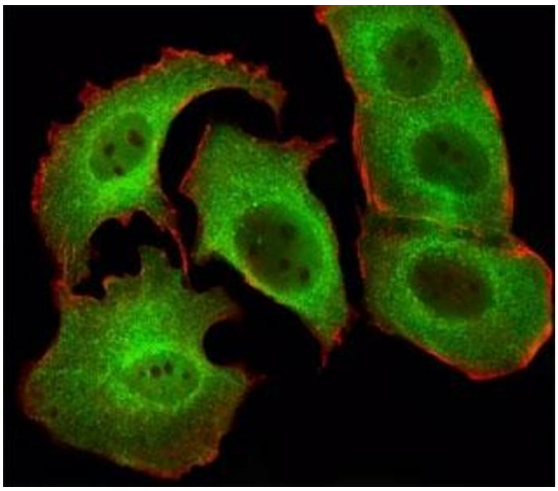
	factor beta ligands to the nucleus where they activate downstream gene transcription. The SMADs, which form a trimer of two receptor-regulated SMADs and one co-SMAD, act as transcription factors that regulate the expression of certain genes. There are three classes of SMADs, SMAD1 belongs to the receptor-regulated class (R-SMAD) which includes SMAD2, SMAD3, SMAD5 and SMAD8/9. [Wiki]
UniProt:	Q15797
Pathways:	Stem Cell Maintenance, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Titration of the SMAD1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Immunofluorescence: 1:25,IHC (Paraffin): 1:25,Western blot: 1:1000
Restrictions:	For Research Use only

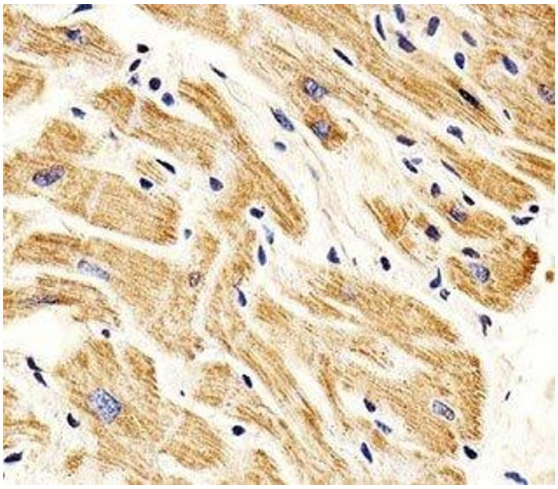
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the SMAD1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



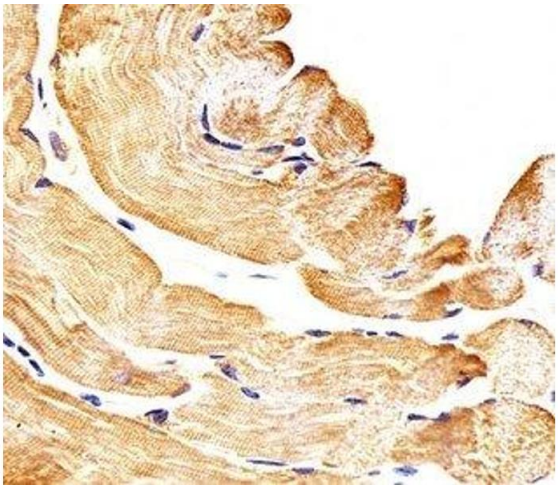
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human skeletal muscle section using SMAD1 antibody



Immunohistochemistry

Image 2. IHC analysis of FFPE human heart section using SMAD1 antibody; Ab was diluted at 1:25.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human skeletal muscle section using SMAD1 antibody; Ab was diluted at 1:25 dilution.

Please check the product details page for more images. Overall 6 images are available for ABIN3032610.