

SMAD7 Polyclonal Antibody

| Product Details | |
|--------------------|---|
| Size | 100 µg |
| Species Reactivity | Human, Mouse, Rat |
| Published Species | Rat, Mouse |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Synthetic peptides corresponding to residues R(12) L W R S R A P G G E D E E E G A G(29) and E (36) L R G E G A T D S R A H G A(50) of human SMAD7. |
| Form | Liquid |
| Concentration | 1.0 mg/mL |
| Purification | Protein G |
| Storage buffer | PBS |
| Contains | no preservative |
| Storage Conditions | -20° C, Avoid Freeze/Thaw Cycles |
| RRID | AB_2193487 |

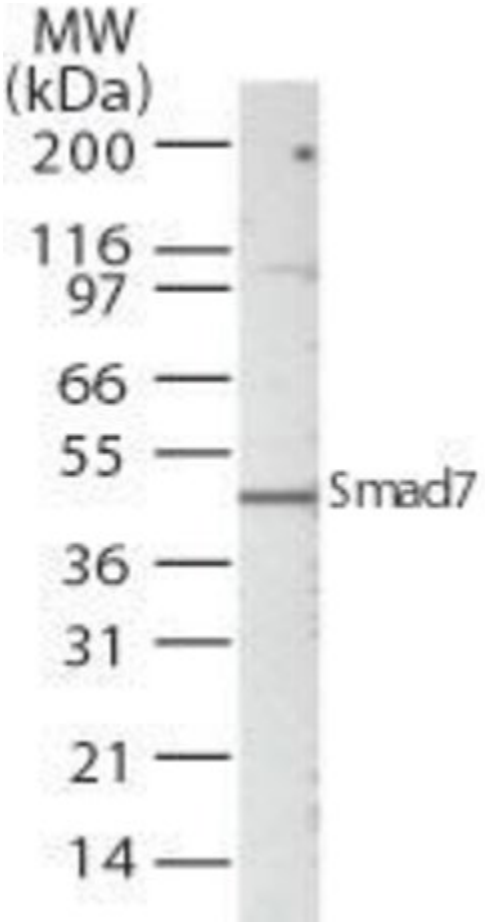
| Applications | Tested Dilution | Publications |
|----------------------------|-----------------|----------------|
| Western Blot (WB) | 4-6 µg/mL | 3 Publications |
| Immunohistochemistry (IHC) | - | 2 Publications |

Product Specific Information

This antibody is predicted to react with chimpanzee, canine, pufferfish, xenopus and zebrafish based on sequence homology.

Suggested positive control: A549, HepG2.

Product Images For SMAD7 Polyclonal Antibody



SMAD7 Antibody (PA1-41506) in WB

Western blot analysis of SMAD7 on Lysate from A549 cells using a SMAD7 polyclonal antibody (Product # PA1-41506) at 5 µg/mL.

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Western Blot (3)

Obesity (Silver Spring, Md.)

Novel effects of rosiglitazone on SMAD2 and SMAD3 signaling in white adipose tissue of diabetic rats.

"PA1-41506 was used in western blot to study the effect of rosiglitazone treatment on the transforming growth factor-beta/SMAD signaling pathway in white adipose tissue of diabetic rats"

Authors: Beaudoin MS, Snook LA, Arkell AM, Stefansson A, Wan Z, Simpson JA, Holloway GP, Wright DC

Species
Rat
Not Applicable

Dilution
Not Cited
Not Cited

Year
2014

Molecular medicine reports

Protective effect of curcumin against ultraviolet A irradiation induced photoaging in human dermal fibroblasts.

"Published figure using SMAD7 polyclonal antibody (Product # PA1-41506) in Western Blot"

Authors: Liu X, Zhang R, Shi H, Li X, Li Y, Taha A, Xu C

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more WB references on thermofisher.com](#)

Immunohistochemistry (2)

Developmental biology

Smad7 regulates terminal maturation of chondrocytes in the growth plate.

"PA1-41506 was used in immunohistochemistry to study the role of Smad7 in modulating chondrocyte terminal maturation at the growth plate using knock out mice"

Authors: Estrada KD, Wang W, Retting KN, Chien CT, Elkhoury FF, Heuchel R, Lyons KM

Species
Mouse

Dilution
Not Cited

Year
2013

PLoS one

Spatial regulation of bone morphogenetic proteins (BMPs) in postnatal articular and growth plate cartilage.

"Published figure using SMAD7 polyclonal antibody (Product # PA1-41506) in Immunohistochemistry"

Authors: Garrison P, Yue S, Hanson J, Baron J, Lui JC

Species
Not Applicable

Dilution
Not Cited

Year
2017

More applications with references on thermofisher.com

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