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Datasheet for ABIN6265170  
**anti-SMAD2 antibody (C-Term)**

6 Images

Overview

Quantity:	100 µL
Target:	SMAD2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Smad2, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	Smad2 Antibody detects endogenous levels of total Smad2.
Predicted Reactivity:	Zebrafish,Bovine,Sheep,Rabbit,Dog,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	SMAD2
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## Target Details

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Alternative Name:	SMAD2 ( <a href="#">SMAD2 Products</a> )
Background:	<p>Description: Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases. Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and, on formation of the SMAD2/SMAD4 complex, activates transcription. May act as a tumor suppressor in colorectal carcinoma. Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.</p> <p>Gene: SMAD2</p>
Molecular Weight:	58kDa
Gene ID:	4087
UniProt:	<a href="#">Q15796</a>
Pathways:	<a href="#">Cell Division Cycle</a> , <a href="#">Hormone Transport</a> , <a href="#">Chromatin Binding</a> , <a href="#">Protein targeting to Nucleus</a>

## Application Details

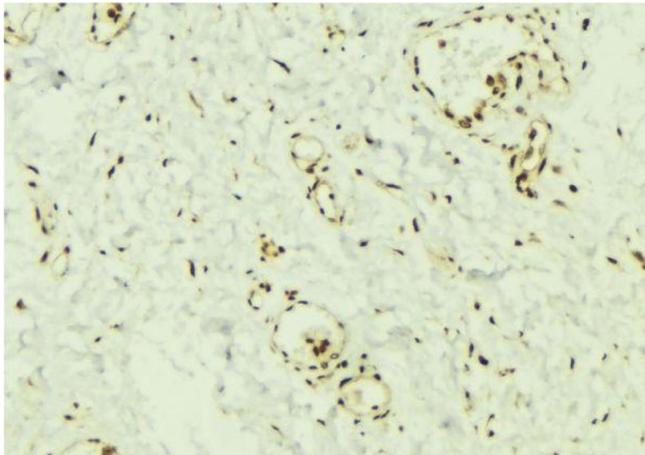
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Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

## Handling

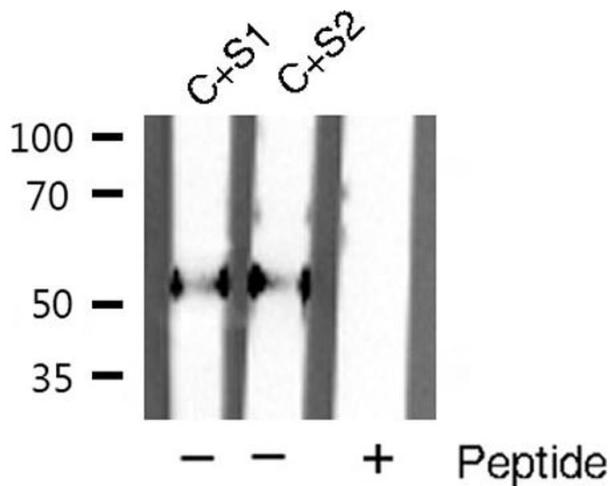
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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



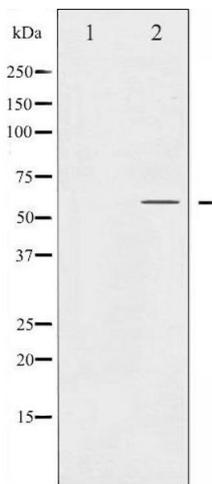
### Immunohistochemistry

**Image 1.** ABIN6269368 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various samples, using Smad2 Antibody.



### Western Blotting

**Image 3.** Western blot analysis of Smad2 expression in HepG2 whole cell lysates. The lane on the left is treated with the antigen-specific peptide.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6265170.