

Datasheet for ABIN6255740

anti-Smad2/3 antibody (pThr8, Thr8)[Go to Product page](#)**4** Images

Overview

Quantity:	100 µL
Target:	Smad2/3 (SMAD2/3)
Binding Specificity:	pThr8, Thr8
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Smad2/3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human Smad2/3 around the phosphorylation site of Threonine 8
Isotype:	IgG
Specificity:	Phospho-Smad2/3 (Thr8) Antibody detects endogenous levels of Smad2/3 only when phosphorylated at Threonine 8
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	Smad2/3 (SMAD2/3)
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Target Details

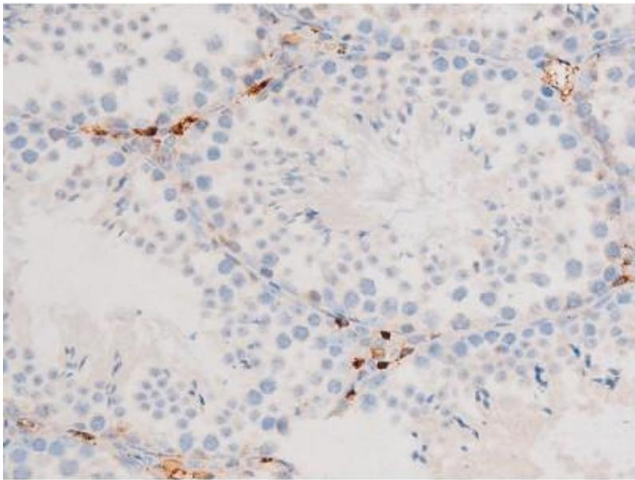
Alternative Name:	Smad2/3 (SMAD2/3 Products)
Background:	<p>Description: Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases. Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and, on formation of the SMAD3/SMAD4 complex, activates transcription. Also can form a SMAD3/SMAD4/JUN/FOS complex at the AP-1/SMAD site to regulate TGF-beta-mediated transcription. Has an inhibitory effect on wound healing probably by modulating both growth and migration of primary keratinocytes and by altering the TGF-mediated chemotaxis of monocytes. This effect on wound healing appears to be hormone-sensitive. Regulator of chondrogenesis and osteogenesis and inhibits early healing of bone fractures. 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: SMAD3</p>
Molecular Weight:	48/60kDa
Gene ID:	4088
UniProt:	P84022 , Q15796

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200
Restrictions:	For Research Use only

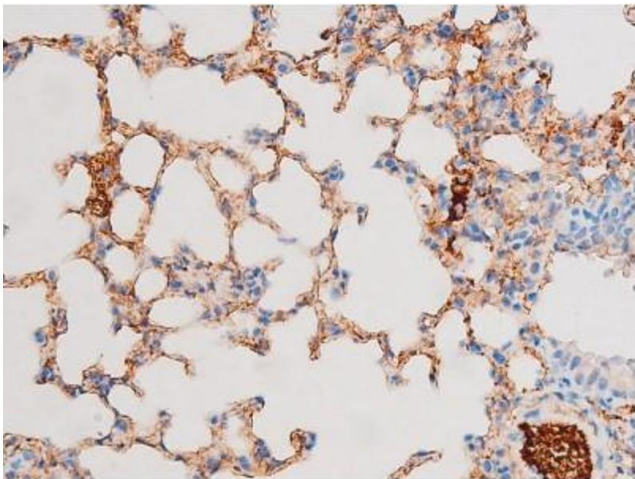
Handling

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



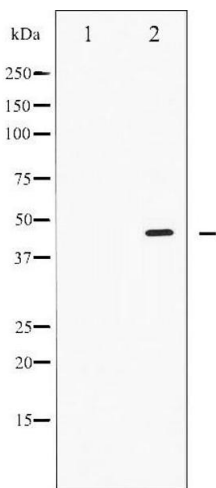
Immunohistochemistry

Image 1. ABIN6267576 at 1/200 staining Mouse testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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.



Immunohistochemistry

Image 2. ABIN6267576 at 1/200 staining Mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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 3. Western blot analysis of Smad2/3 phosphorylation expression in RAW264.7 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 4 images are available for ABIN6255740.