

Datasheet for ABIN7600133
anti-SMAD9 antibody (AA 153-235)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SMAD9
Binding Specificity:	AA 153-235
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMAD9 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Smad9 Antibody Picoband®
Immunogen:	E.coli-derived mouse Smad9 recombinant protein (Position: Q153-H235). Mouse Smad9 shares 59.2% and 96.4% amino acid (aa) sequence identity with human and rat Smad9, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-Smad9 Antibody Picoband® (ABIN7601479). Tested in WB, ELISA applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SMAD9
Alternative Name:	Smad9 (SMAD9 Products)
Background:	Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody Tissue Specificity: Expressed in all tissues. Background: Mothers against decapentaplegic homolog 9 also known as SMAD9, SMAD8, and MADH6 is a protein that in humans is encoded by the SMAD9 gene. This gene encodes a member of a family of proteins that act as downstream effectors of the bone morphogenetic protein (BMP) signaling pathway. The encoded protein is phosphorylated by BMP receptors, which stimulates its binding to SMAD4 and translocation into the nucleus, where it functions as a regulator of transcription. Activity of this protein is important for embryonic development. Mutation of this gene results in defects in pulmonary vasculature.
Molecular Weight:	55 kDa
Gene ID:	55994

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Chen, Y., Bhushan, A., Vale, W. Smad8 mediates the signaling of the ALK-2 receptor serine kinase. Proc. Nat. Acad. Sci. 94: 12938-12943, 1997. Note: Erratum: Proc. Nat. Acad. Sci. 95: 1968 only, 1998. 2. Davis, B. N., Hilyard, A. C., Lagna, G., Hata, A. SMAD proteins control DROSHA-mediated microRNA maturation. Nature 454: 56-61, 2008. 3. Drake, K. M., Zygmunt, D., Mavrikakis, L., Harbor, P., Wang, L., Comhair, S. A., Erzurum, S. C., Aldred, M. A. Altered microRNA processing in heritable pulmonary arterial hypertension: an important role for Smad-8. Am. J. Resp. Crit. Care Med. 184: 1400-1408, 2011.
--------------------	---

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.