

Datasheet for ABIN7126668 **anti-SMAD9 antibody**

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	SMAD9
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SMAD9 antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Immunogen:	Recombinant full-length human SMAD9 protein
Isotype:	IgG1
Specificity:	Smad proteins, the mammalian homologs of the Drosophila mothers against dpp (Mad) have been implicated as downstream effectors of TGFβ/BMP signaling. Smad1 (also designated Madr1 or JV4-1), Smad5 and mammalian Smad8 (also designated Smad9 or MadH6) are effectors of BMP2 and BMP4 function while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGFβ and activin-mediated growth modulation. Smad4 (also designated DPC4) has been shown to mediate all of the above activities through interaction with various Smad family members. Smad6 and Smad7 regulate the response to activin/TGFβ signaling by interfering with TGFβ-mediated phosphorylation of other Smad family members.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	SMAD9
Alternative Name:	SMAD9 (SMAD9 Products)
Background:	MAD homolog 9, Madh6, Mothers against decapentaplegic homolog 9, Mothers against DPP homolog 9, SMAD family member 9, SMAD, mothers against DPP homolog 9 (Drosophila), SMAD8A, SMAD8B, Smad9, SMAD9 Cellular localisation: Cytoplasm. Nucleus. In the cytoplasm in the absence of ligand. Migration to the nucleus when complexed with SMAD4.
Molecular Weight:	52.4kDa
Gene ID:	4093, 123119
UniProt:	O15198

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), ,Immunofluorescence (1-2 µg/mL), ,Optimal dilution for a specific application should be determined. Positive_Control: HeLa, U87 or Ramos cells.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months