

Rabbit anti-Human SMAD4 Polyclonal Antibody | anti-SMAD4 antibody

SMAD4 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA60063	Rabbit	Human	Western Blot, Immunoprecipitation

PRODUCT SYNONYMS

SMAD4; Polyclonal Antibody; SMAD4 antibody (pAb); JIP; DPC4; MADH4; MYHRS; anti-SMAD4 antibody

PRODUCT SPECIFICATIONS

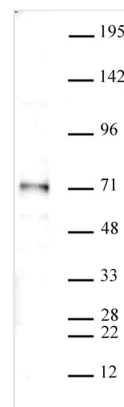
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-SMAD4 antibody	WB (Western Blot), IP (Immunoprecipitation)
Immunogen	This antibody was raised against a peptide within the N-terminal region of human SMAD4.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

SMAD4 antibody (pAb) tested by Western blot. Detection of SMAD4 by Western blot analysis. Nuclear extract of HeLa cells (30 ug) probed with SMAD4 antibody at a dilution of 1:500.



WB (Western Blot)

SMAD4 antibody (pAb) tested by Immunoprecipitation. 10 ul of SMAD4 antibody was used to immunoprecipitate SMAD4 from 250 ug of HeLa nuclear cell extract (lane 2). 10 ul of rabbit IgG was used as a negative control (lane 1). The immunoprecipitated protein was detected by Western blotting using the SMAD4 antibody at a dilution of 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD4 antibody	Short Description: Our SMAD4 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunoprecipitation and Western blot; it has been shown to react with Human samples. Background: SMAD4 (Mothers Against Decapentaplegic Homolog 4) or common SMAD (co-SMAD) is the coactivator and mediator of signal transduction by TGF-beta (transforming growth factor). Component of the heterotrimeric SMAD2/SMAD3-SMAD4 complex that forms in the nucleus and is required for the TGF-mediated signaling. Promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. Component of the multimeric SMAD3/SMAD4/JUN/FOS complex which forms at the AP1 promoter site; required for synergistic transcriptional activity in response to TGF-beta. May act as a tumor suppressor. Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.
Product Categories/Family for anti-SMAD4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885457
NCBI GeneID	4089
NCBI Accession #	NP_005350; AB_2793711
NCBI GenBank Nucleotide #	NM_005359.5
UniProt Accession #	Q13485; A8K405
Molecular Weight	62.6 kDa (572 aa)
NCBI Official Full Name	mothers against decapentaplegic homolog 4
NCBI Official Synonym Full Names	SMAD family member 4
NCBI Official Symbol	SMAD4
NCBI Official Synonym Symbols	JIP; DPC4; MADH4; MYHRS
NCBI Protein Information	mothers against decapentaplegic homolog 4
UniProt Protein Name	Mothers against decapentaplegic homolog 4
UniProt Gene Name	SMAD4
UniProt Synonym Gene Names	DPC4; MADH4; MAD homolog 4; Mothers against DPP homolog 4; SMAD 4; Smad4; hSMAD4
UniProt Entry Name	SMAD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/smad4-antibody-western-blot-immunoprecipitation-elisa/60063>