

anti-Human SMAD4 Antibody | anti-SMAD4 antibody

SMAD4 Antibody

CATALOG #	REACTIVITY	APPLICATIONS
AAA108587	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

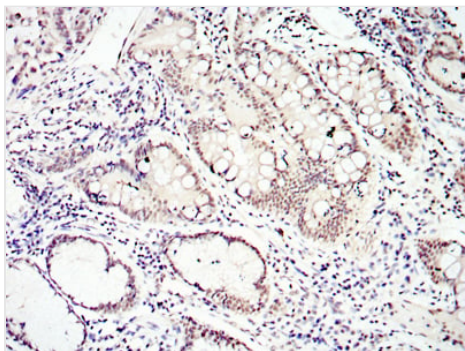
PRODUCT SYNONYMS

SMAD4; SMAD4 Antibody; JIP; DPC4; MADH4; anti-SMAD4 antibody

PRODUCT SPECIFICATIONS

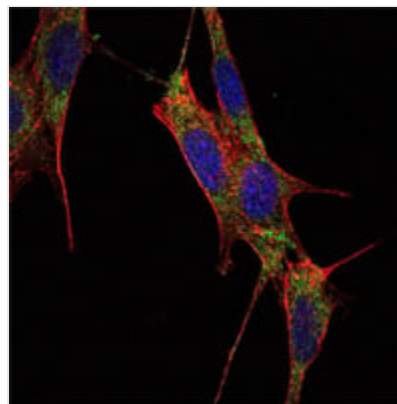
Reactivity	Human
Clone Number	4G1C6
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	552
Applicable Applications for anti-SMAD4 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human SMAD4 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C.

IMAGES



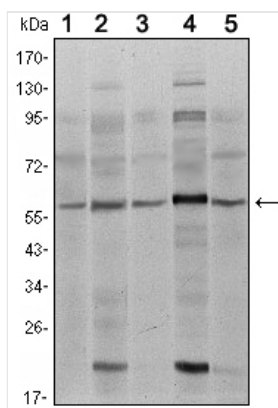
IHC (Immunohistochemistry)

Figure 3: Immunohistochemical analysis of paraffin-embedded lung cancer tissues using SMAD4 mouse mAb with DAB staining.



IF (Immunofluorescence)

Figure 2: Immunofluorescence analysis of NIH/3T3 cells using SMAD4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



WB (Western Blot)

Figure 1: Western blot analysis using SMAD4 mouse mAb against A431 (1), SK-N-SH (2), K562 (3), HepG2 (4) and HUVE12 (5) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD4 antibody	Common mediator of signal transduction by TGF-beta (transforming growth factor) superfamily; SMAD4 is the common SMAD (co-SMAD). Promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. May act as a tumor suppressor. Mutations or deletions in this gene have been shown to result in pancreatic cancer, juvenile polyposis syndrome, and hereditary hemorrhagic telangiectasia syndrome.
Product Categories/Family for anti-SMAD4 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885457
NCBI GeneID	4089
NCBI Accession #	NP_005350.1
NCBI GenBank Nucleotide #	NM_005359.5
UniProt Accession #	Q13485 ; A8K405
Molecular Weight	65kDa
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

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.

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Online datasheet: <https://stage.aaabiotech.com/human-antibody/smad4/108587>