

Mouse SMAD4 Monoclonal Antibody | anti-SMAD4 antibody

SMAD4 antibody

CATALOG # AAA225022	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, ELISA
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PRODUCT SYNONYMS

SMAD4; Monoclonal Antibody; SMAD4 antibody; Mouse monoclonal SMAD4 antibody; Monoclonal SMAD4 antibody; Anti-SMAD4 antibody; SMAD family member 4 antibody; JIP antibody; DPC4 antibody; MADH4 antibody; SMAD 4; SMAD-4; SMAD 4 antibody; SMAD-4 antibody; anti-SMAD4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4G1C6
Form/Format	Liquid in ascitic fluid containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	436
Applicable Applications for anti-SMAD4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Immunogen	SMAD4 antibody was raised in Mouse using a purified recombinant fragment of human SMAD4 expressed in E Coli as the immunogen.
Cross-Reactivity	Human
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



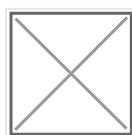
IF (Immunofluorescence)

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



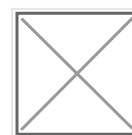
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded lung cancer tissues using SMAD4 antibody with DAB staining.



WB (Western Blot)

Western Blot showing SMAD4 antibody used against A431 (1), SK-N-SH (2), K562 (3), HepG2 (4) and HUVE12 (5) cell lysate.



FCM/FACS (Flow Cytometry)

FC analysis of K562 cells using SMAD4 antibody (green) and negative control (purple).

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD4 antibody	SMAD4 promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. SMAD4 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	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	13603414
NCBI GeneID	4089
Molecular Weight	60,439 Da
NCBI Official Full Name	SMAD4, partial
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/monoclonal/smad4-antibody-clone-4g1c6-western-blot-immunohistochemistry-immunofluorescence-elisa/225022>