

Mouse anti-Human SMAD5 Monoclonal Antibody | anti-SMAD5 antibody

SMAD5 (C-terminus) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290498	Mouse	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Western Blot

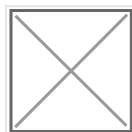
PRODUCT SYNONYMS

SMAD5; Monoclonal Antibody; SMAD5 (C-terminus) Antibody; Purified Mouse Monoclonal Antibody (Mab); DKFZp781C1895; DKFZp781O1323; Dwfc; hSmad 5; hSmad5; JV5 1; JV5-1; MAD homolog 5; MAD mothers against decapentaplegic homolog 5; MAD; mothers against decapentaplegic homolog 5; MADH 5; MADH5; Mothers against decapentaplegic homolog 5; Mothers against DPP homolog 5; MusMLP; SMA and MAD related protein 5; SMAD 5; SMAD family member 5; SMAD mothers against DPP homolog 5; Smad5; SMAD5_HUMAN.; anti-SMAD5 antibody

PRODUCT SPECIFICATIONS

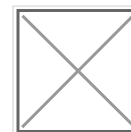
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sequence Length	465
Applicable Applications for anti-SMAD5 antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



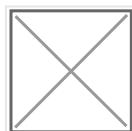
FCM/FACS (Flow Cytometry)

Flow Cytometry analysis of Jurkat cells stained with SMAD5 (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Black line histogram represents the isotype control, normal mouse IgG.



ICC (Immunocytochemistry)

Immunocytochemistry of HeLa cells using anti-SMAD5 (C-terminus) mouse mAb diluted 1:75.



WB (Western Blot)

Western blot detection of SMAD5 (C-terminus) in HeLa, Jurkat and K562 cell lysates using SMAD5 (C-terminus) mouse mAb (1:1000 diluted). Predicted band size: 52KDa. Observed band size: 60KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD5 antibody	Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD).
Product Categories/Family for anti-SMAD5 antibody	Cancer; Developmental Biology; Signal Transduction; Stem Cells
References	Riggins G.J.,et al.Nat. Genet. 13:347-349(1996). Hejlik D.P.,et al.Cancer Res. 57:3779-3783(1997). Zavadil J.,et al.Leukemia 11:1187-1192(1997). Gemma A.,et al.Oncogene 16:951-956(1998). Nishimura R.,et al.J. Biol. Chem. 273:1872-1879(1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	47778929
NCBI GeneID	4090
NCBI Accession #	NP_001001419.1
NCBI GenBank Nucleotide #	NM_001001419.2
UniProt Accession #	Q99717; O14688; Q15798; Q9UQA1
Molecular Weight	52258
NCBI Official Full Name	mothers against decapentaplegic homolog 5
NCBI Official Synonym Full Names	SMAD family member 5
NCBI Official Symbol	SMAD5
NCBI Official Synonym Symbols	DWFC; JV5-1; MADH5
NCBI Protein Information	mothers against decapentaplegic homolog 5
UniProt Protein Name	Mothers against decapentaplegic homolog 5
UniProt Gene Name	SMAD5
UniProt Synonym Gene Names	MADH5; MAD homolog 5; Mothers against DPP homolog 5; SMAD 5; Smad5; hSmad5
UniProt Entry Name	SMAD5_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/smad5-antibody-flow-cytometry-immunocytochemistry-western-blot-elisa/290498>