Rabbit anti-Human, Rat SMAD5 Monoclonal Antibody | anti-SMAD5 antibody

SMAD5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30038	**Rabbit**	**Human, Rat**	**Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

SMAD5; Monoclonal Antibody; SMAD5 Antibody; DKFZp781C1895 antibody; DKFZp781O1323 antibody; Dwfc antibody; hSmad5 antibody; JV5 1 antibody; JV5-1 antibody; MAD homolog 5 antibody; MAD; mothers against decapentaplegic homolog 5 antibody; MADH 5 antibody; MADH5 antibody; Mothers against decapentaplegic homolog 5 antibody; mothers against decapentaplegic; drosophila; homolog of; 5 antibody; Mothers against DPP homolog 5 antibody; MusMLP antibody; SMA and MAD related protein 5 antibody; SMAD 5 antibody; SMAD family member 5 antibody; SMAD; mothers against DPP homolog 5 antibody; Smad5 antibody; SMAD5_HUMAN antibody; anti-SMAD5 antibody

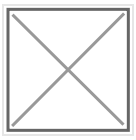
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Monoclonal
Clone Number	SI17-06
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SMAD5 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

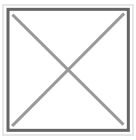
IMAGES

FCM (Flow Cytometry)
Flow cytometric analysis of Hela cells with Smad5 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

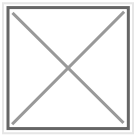
ICC (Immunocytochemistry)
ICC staining Smad5 in PC-3M cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



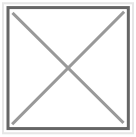
ICC (Immunocytochemistry)
ICC staining Smad5 in A549 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining Smad5 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Smad5 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-Smad5 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD5 antibody	Smad proteins, the mammalian homologs of the Drosophila Mothers against dpp (Mad) have been implicated as downstream effectors of TGFbeta /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 TGFbeta 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/TGFbeta signaling by interfering with TGFbeta-mediated phosphorylation of other Smad family members.
Product Categories/Family for anti-SMAD5 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	47778929
NCBI GeneID	4090
NCBI Accession #	NP_001001419.1
NCBI GenBank Nucleotide #	NM_001001419.1
UniProt Accession #	Q99717; O14688; Q15798; Q9UQA1
Molecular Weight	465
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; SMA- and MAD-related protein 5; SMAD, mothers against DPP homolog 5; MAD, mothers against decapentaplegic homolog 5; mothers against decapentaplegic, drosophila, homolog of, 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-clone-si17-06-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/30038