

Mouse anti-Human SMAD1 Monoclonal Antibody | anti-SMAD1 antibody

SMAD1 (Mothers Against Decapentaplegic Homolog 1, Mothers Against DPP Homolog 1, MAD Homolog 1, MADH1, SMAD Family Member 1, SMAD 1, hSMAD1, BSP-1, BSP1, JV4-1, JV41, Mad-related Protein 1, MADR1, Transforming Growth Factor-beta-signaling Protein 1) (HRP)

CATALOG # AAA25543	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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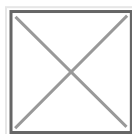
PRODUCT SYNONYMS

SMAD1; Monoclonal Antibody; SMAD1 (Mothers Against Decapentaplegic Homolog 1; Mothers Against DPP Homolog 1; MAD Homolog 1; MADH1; SMAD Family Member 1; SMAD 1; hSMAD1; BSP-1; BSP1; JV4-1; JV41; Mad-related Protein 1; MADR1; Transforming Growth Factor-beta-signaling Protein 1) (HRP); anti-SMAD1 antibody

PRODUCT SPECIFICATIONS

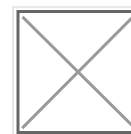
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1D3
Specificity	Recognizes human SMAD1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-SMAD1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa1-110 from human SMAD1 (NP_005891) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MNVTSLSFTSPAVKRLGKQGDDEEKWAEKAVDALVKLKKKGAMEELEKALSCPGQPSNCVTIPRSLDGRLQVSHRKGPLPHVIYCRVWRWPDLPQ
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in PBS. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the product at 1000g for 5 minutes and remove the supernatant. Thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

SMAD1 monoclonal antibody Western Blot analysis of SMAD1 expression in A-549.



WB (Western Blot)

Western Blot detection against Immunogen (37.84kD).



Application Data

Detection limit for recombinant GST tagged SMAD1 is ~3ng/ml as a capture antibody.



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to SMAD1 on HeLa cell. [antibody concentration 10ug/ml]



IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to SMAD1 on formalin-fixed paraffin-embedded human salivary gland tissue. [antibody concentration 3ug/ml]



WB (Western Blot)

Western Blot analysis of SMAD1 expression in transfected 293T cell line by SMAD1 monoclonal antibody. Lane 1: SMAD1 transfected lysate (52.3kD). Lane 2: Non-transfected lysate.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SMAD1 antibody

[Antibodies](#); [Smad Proteins](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174509
NCBI GeneID	4086
NCBI Accession #	NP_005891
NCBI GenBank Nucleotide #	NM_005900
UniProt Accession #	Q15797
Molecular Weight	52kDa
NCBI Official Full Name	mothers against decapentaplegic homolog 1
NCBI Official Synonym Full Names	SMAD family member 1
NCBI Official Symbol	SMAD1
NCBI Official Synonym Symbols	BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1
NCBI Protein Information	mothers against decapentaplegic homolog 1
UniProt Protein Name	Mothers against decapentaplegic homolog 1
UniProt Gene Name	SMAD1
UniProt Synonym Gene Names	BSP1; MADH1; MADR1; MAD homolog 1; Mothers against DPP homolog 1; SMAD 1; Smad1; hSMAD1; BSP-1
UniProt Entry Name	SMAD1_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/smad1-antibody-clone-1d3-immunohistochemistry-western-blot-elisa/25543>