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) (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25839	**Mouse**	**Human**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

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) (PE); 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 R-Phycoerythrin (PE).
Applicable Applications for anti-SMAD1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/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	MNVTSLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDALVKKLKKKKGAMEELEKALSCPGQPSNCVTIPRSLDGRLQVSHRKGLPHVIYCRVWRWPDLQ
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifu vial 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-immunofluorescence-immunohistochemistry-western-blot-elisa/25839