Mouse SMAD1 Monoclonal Antibody | anti-SMAD1 antibody

SMAD1 (SMAD Family Member 1, BSP1, JV4-1, JV41, MADH1, MADR1) (AP)

CATALOG #	HOST	APPLICATIONS
AAA25927	**Mouse**	**Immunohistochemistry, Western Blot**

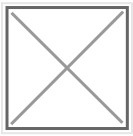
PRODUCT SYNONYMS

SMAD1; Monoclonal Antibody; SMAD1 (SMAD Family Member 1; BSP1; JV4-1; JV41; MADH1; MADR1) (AP); SMAD Family Member 1; MADR1; anti-SMAD1 antibody

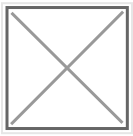
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2.0e+9
Specificity	Recognizes SMAD1.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-SMAD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	SMAD1 (AAH01878.1, 1aa-465aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MNVTSLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDALVKKLKKKKGAMEELEKALSCPGQPSNCVTIPRSLDGRLQVSHRKGLPHVIYCRVWRWPDLQ
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri

IMAGES



WB (Western Blot)
SMAD1 monoclonal antibody (M03), clone 2E9. Western Blot analysis of SMAD1 expression in IMR-32.



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

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

WB (Western Blot)
SMAD1 monoclonal antibody (M03), clone 2E9 Western Blot analysis of SMAD1 expression in HeLa.

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to SMAD1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

Application Data
Immunoperoxidase of monoclonal antibody to SMAD1 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD1 antibody	The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein mediates the signals of the bone morphogenetic proteins (BMPs), which are involved in a range of biological activities including cell growth, apoptosis, morphogenesis, development and immune responses. In response to BMP ligands, this protein can be phosphorylated and activated by the BMP receptor kinase. The phosphorylated form of this protein forms a complex with SMAD4, which is important for its function in the transcription regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases, such as SMURF1 and SMURF2, and undergoes ubiquitination and proteasome-mediated degradation. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq]
Product Categories/Family for anti-SMAD1 antibody	Antibodies; Smad Proteins
References	1. Temporal and regional patterns of Smad activation in the rat hippocampus following global ischemia. Nakajima T, Yanagihara M, Nishii HJ Neurol Sci. 2013 Nov 19. pii: S0022-510X(13)03041-4. doi: 10.1016/j.jns.2013.11. 012.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12804861
NCBI GeneID	4086
Molecular Weight	52,260 Da
NCBI Official Full Name	SMAD family member 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; MAD homolog 1; Mad-related protein 1; TGF-beta signaling protein 1; mothers against DPP homolog 1; SMAD, mothers against DPP homolog 1; MAD, mothers against decapentaplegic homolog 1; transforming growth factor-b

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/smad1-antibody-clone-2-0e-9-immunohistochemistry-western-blot-elisa/25927