

Mouse SMAD3 Monoclonal Antibody | anti-SMAD3 antibody

SMAD3 (SMAD Family Member 3, DKFZp586N0721, DKFZp686J10186, HSPC193, HsT17436, JV15-2, MADH3, MGC60396) (FITC)

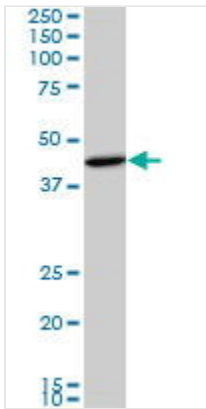
CATALOG # AAA26296	HOST Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

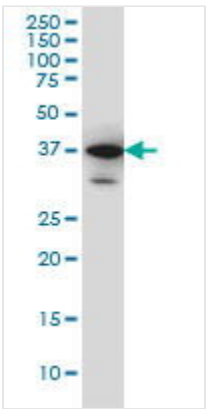
SMAD3; Monoclonal Antibody; SMAD3 (SMAD Family Member 3; DKFZp586N0721; DKFZp686J10186; HSPC193; HsT17436; JV15-2; MADH3; MGC60396) (FITC); SMAD Family Member 3; MGC60396; anti-SMAD3 antibody

PRODUCT SPECIFICATIONS

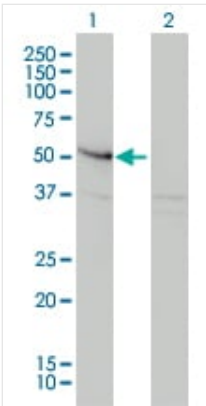
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2C12
Specificity	Recognizes SMAD3.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-SMAD3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	SMAD3 (NP_005893, 120aa-221aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VCVNPYHYQRVETPVLPPVLVPRHTEIPAEFPPLDDYSHSIPENTNFPAGIEPQSNIPETPPPGYLSAGEDTSDHQMNHSM DAGSPNLSPNPMSPAHN
Conjugate	FITC
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 assay buffer. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



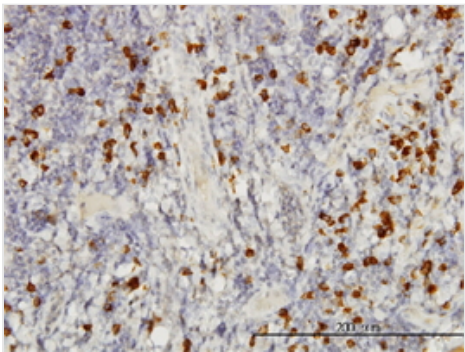
WB (Western Blot)
SMAD3 monoclonal antibody (M01), clone 2C12. Western Blot analysis of SMAD3 expression in Hs 181.Tes.



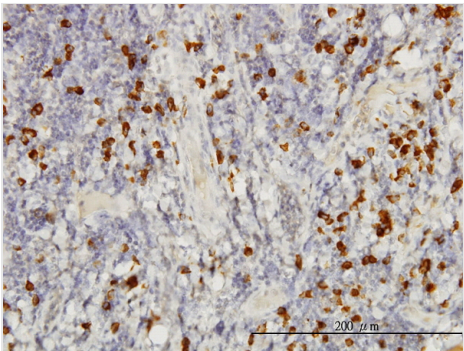
WB (Western Blot)
SMAD3 monoclonal antibody (M01), clone 2C12. Western Blot analysis of SMAD3 expression in HeLa.



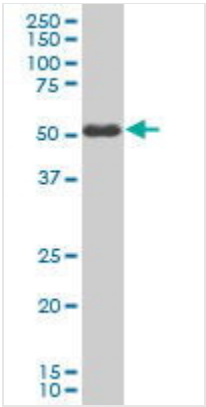
WB (Western Blot)
Western Blot analysis of SMAD3 expression in transfected 293T cell line by SMAD3 monoclonal antibody (M01), clone 2C12.Lane 1: SMAD3 transfected lysate (48 KDa).Lane 2: Non-transfected lysate.



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to SMAD3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 6 ug/ml]



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Immunoperoxidase of monoclonal antibody to SMAD3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 6 ug/ml]



WB (Western Blot)
SMAD3 monoclonal antibody (M01), clone 2C12. Western Blot analysis of SMAD3 expression in human colon.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD3 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 functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis. [provided by RefSeq]

Product Categories/Family for anti-SMAD3 antibody

Antibodies; Smad Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174513
NCBI GeneID	4088
NCBI Accession #	NP_005893
NCBI GenBank Nucleotide #	NM_005902.3
UniProt Accession #	P84022; O09064; O09144; O14510; O35273; Q92940; Q93002; A8K4B6; B7Z4Z5; B7Z6M9; B7Z9Q2; F5H383
Molecular Weight	50.2 kDa (445aa), confirmed by MALDI-TOF.
NCBI Official Full Name	mothers against decapentaplegic homolog 3 isoform 1
NCBI Official Synonym Full Names	SMAD family member 3
NCBI Official Symbol	SMAD3
NCBI Official Synonym Symbols	LDS3; LDS1C; MADH3; JV15-2; HSPC193; HsT17436
NCBI Protein Information	mothers against decapentaplegic homolog 3
UniProt Protein Name	Mothers against decapentaplegic homolog 3
UniProt Gene Name	SMAD3
UniProt Synonym Gene Names	MADH3; MAD homolog 3; Mad3; Mothers against DPP homolog 3; hMAD-3; SMAD 3; Smad3; hSMAD3
UniProt Entry Name	SMAD3_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/smad3-antibody-clone-2c12-immunohistochemistry-western-blot-elisa/26296>