

Mouse SMAD3 Monoclonal Antibody | anti-SMAD3 antibody

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

CATALOG # AAA26430	HOST Mouse	APPLICATIONS Immunofluorescence, Western Blot
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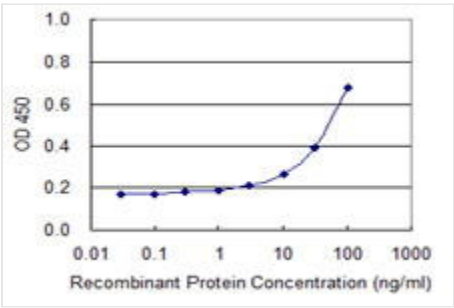
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

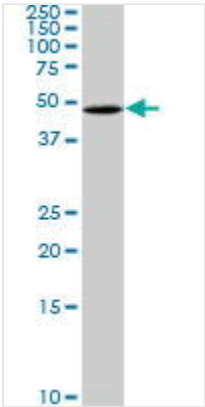
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1C11
Specificity	Recognizes SMAD3.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-SMAD3 antibody	IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	SMAD3 (NP_005893, 1aa-110aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSSILPFTPIVKRLLGWKKGEQNGQEEKWCEKAVKSLVKLKKKTGQLDELEKAITTQNVNTKCITIPRSLDGRLQVSHRKGLPHVIYCRLWRWPDLSHSH
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 buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge vial after thawing and prior to removing the cap.

IMAGES



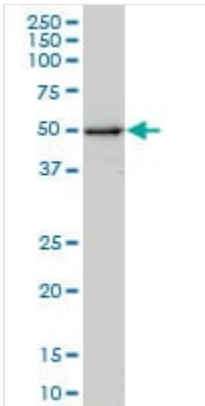
Application Data

Detection limit for recombinant GST tagged SMAD3 is approximately 3ng/ml as a capture antibody.



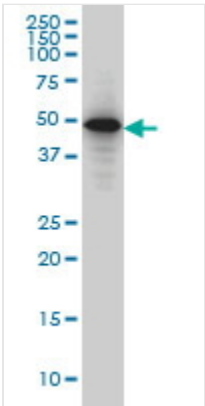
WB (Western Blot)

SMAD3 monoclonal antibody (M09), clone 1C11. Western Blot analysis of SMAD3 expression in SJC-RH30 (Cat # L027V1).



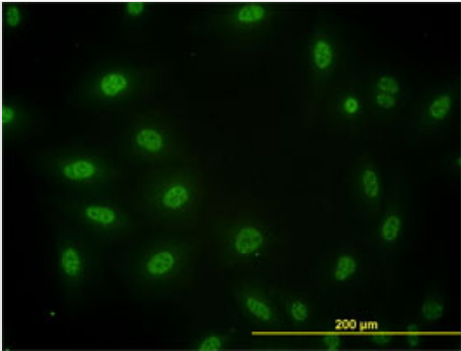
WB (Western Blot)

SMAD3 monoclonal antibody (M09), clone 1C11. Western Blot analysis of SMAD3 expression in Jurkat (Cat # L017V1).



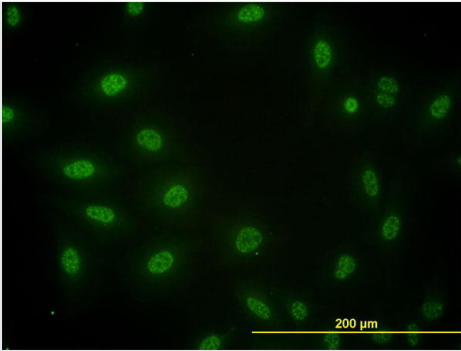
WB (Western Blot)

SMAD3 monoclonal antibody (M09), clone 1C11 Western Blot analysis of SMAD3 expression in HeLa S3 NE (Cat # L013V3).



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to SMAD3 on HeLa cell. [antibody concentration 10 ug/ml]



IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to SMAD3 on HeLa cell. [antibody concentration 10 ug/ml]

ADDITIONAL INFORMATION

Product Categories/Family for anti-SMAD3 antibody	Antibodies; Smad Proteins
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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-1c11-immunofluorescence-western-blot-elisa/26430>