

Mouse anti-Human Smad2 Monoclonal Antibody | anti-Smad2 antibody

Smad2 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320359	Mouse	Human	Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

Smad2; Monoclonal Antibody; Smad2 Mouse mAb; hMAD 2; hMAD-2; hSMAD2; JV18 1; JV18; JV18-1; JV181; MAD; MAD homolog 2; MAD Related Protein 2; Mad-related protein 2; MADH2; MADR2; MGC22139; MGC34440; Mothers Against Decapentaplegic Homolog 2; mothers against DPP homolog 2; OTTHUMP00000163489; Sma and Mad related protein 2; SMAD 2; SMAD; SMAD family member 2; SMAD2; SMAD2_HUMAN.; anti-Smad2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of Smad2 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Smad2 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human Smad2 protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



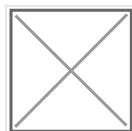
ICC (Immunocytochemistry)

Immunocytochemistry staining of HeLa cells fixed with 1% Paraformaldehyde and using Smad2 mouse mAb (dilution 1:100).



WB (Western Blot)

Western blot detection of Smad2 in HeLa.A431.Jurkat and K562 cell lysates using Smad2 mouse mAb (1:500 diluted).Predicted band size:60KDa.Observed band size:60KDa.



WB (Western Blot)

Western blot detection of Smad2 in 3T3 cell lysates using Smad2 mouse mAb (1:500 diluted).Predicted band size:60KDa.Observed band size:60KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Smad2 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 signal of the transforming growth factor (TGF)-beta, and thus regulates multiple cellular processes, such as cell proliferation, apoptosis, and differentiation. This protein is recruited to the TGF-beta receptors through its interaction with the SMAD anchor for receptor activation (SARA) protein. In response to TGF-beta signal, this protein is phosphorylated by the TGF-beta receptors. The phosphorylation induces the dissociation of this protein with SARA and the association with the family member SMAD4. The association with SMAD4 is important for the translocation
Product Categories/Family for anti-Smad2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	51173730
NCBI GeneID	4087
NCBI Accession #	NP_001003652.1
NCBI GenBank Nucleotide #	NM_001003652.3
UniProt Accession #	Q15796
Molecular Weight	52,306 Da
NCBI Official Full Name	mothers against decapentaplegic homolog 2 isoform 1
NCBI Official Synonym Full Names	SMAD family member 2
NCBI Official Symbol	SMAD2
NCBI Official Synonym Symbols	JV18; MADH2; MADR2; JV18-1; hMAD-2; hSMAD2
NCBI Protein Information	mothers against decapentaplegic homolog 2; MAD homolog 2; mother against DPP homolog 2; Sma- and Mad-related protein 2; SMAD, mothers against DPP homolog 2
UniProt Protein Name	Mothers against decapentaplegic homolog 2
UniProt Gene Name	SMAD2
UniProt Synonym Gene Names	MADH2; MADR2; MAD homolog 2; Mothers against DPP homolog 2; hMAD-2; SMAD 2; Smad2; hSMAD2
UniProt Entry Name	SMAD2_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/smad2-antibody-immunocytochemistry-western-blot-elisa/320359>