

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

Smad2 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA300783	Mouse	Human	Immunocytochemistry, Western Blot

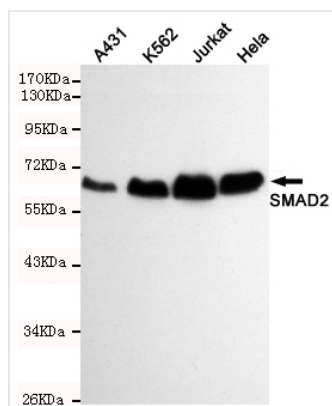
PRODUCT SYNONYMS

Smad2; Monoclonal Antibody; Smad2 Monoclonal Antibody; 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; anti-Smad2 antibody

PRODUCT SPECIFICATIONS

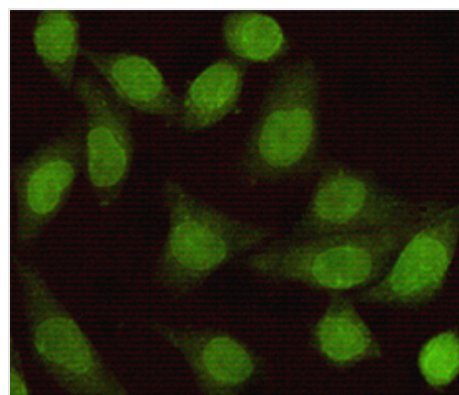
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6H5-E3-C11
Specificity	This antibody detects endogenous levels of SMAD2 and does not cross-react with related proteins.
Form/Format	Ascites
Sequence Length	467
Applicable Applications for anti-Smad2 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human SMAD2 protein fragments expressed in E Coli.
Target Name	Smad2
Preparation and Storage	Store at -20 degree C

IMAGES



WB (Western Blot)

Western blot detection of SMAD2 antibody in HeLa, A431, Jurkat and K562 cell lysates using SMAD2 antibody (1:500 diluted). Predicted band size: 60KDa. Observed band size: 60KDa.



ICC (Immunocytochemistry)

Immunocytochemistry staining of HeLa cells fixed with 1% Paraformaldehyde and using anti-SMAD2 antibody (dilution 1:100).

ADDITIONAL INFORMATION

Related Product Information for anti-Smad2 antibody	Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases.Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and,on formation of the SMAD2/SMAD4 complex,activates transcription.May act as a tumor suppressor in colorectal carcinoma.Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.
Product Categories/Family for anti-Smad2 antibody	Total protein Ab

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	48,956 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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/smad2-antibody-clone-6h5-e3-c11-immunocytochemistry-western-blot-elisa/300783>