

Rabbit SMAD2 Polyclonal Antibody | anti-SMAD2 antibody

SMAD2 Polyclonal Antibody

CATALOG # AAA174563	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

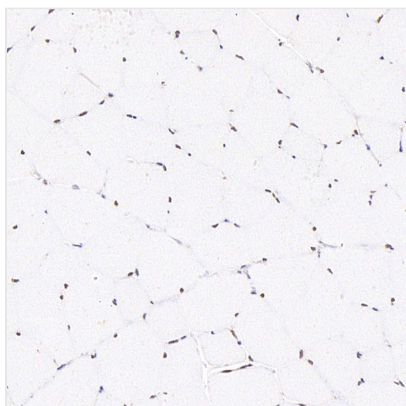
PRODUCT SYNONYMS

SMAD2; Polyclonal Antibody; SMAD2 Polyclonal Antibody; Drosophila; homolog of; MADR2; hMAD-2; HsMAD2; JV18; JV18-1; JV181; MAD; MAD homolog 2; MAD Related Protein 2; Mad-related protein 2; MADH2; MGC22139; MGC34440; Mother against DPP homolog 2; Mothers against decapentaplegic homolog 2; Mothers against decapentaplegic; 2; Mothers against DPP homolog 2; OTTHUMP00000163489; Sma and Mad related protein 2; Sma- and Mad-related protein 2 MAD; SMAD 2; SMAD family member 2; SMAD; mothers against DPP homolog 2; anti-SMAD2 antibody

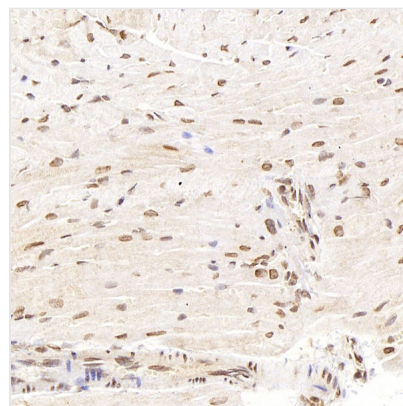
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol.
Concentration	500 mug/mL (varies by lot)
Sequence Length	437
Applicable Applications for anti-SMAD2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein corresponding to MouseSmad2
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

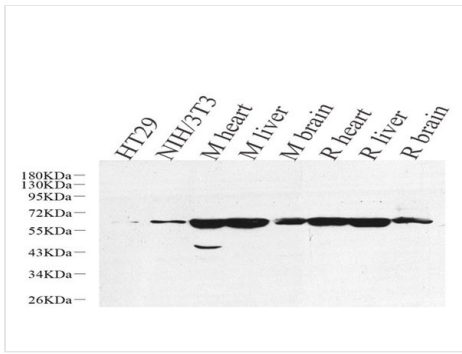
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded rat skeletal muscle using SMAD2 Polyclonal Antibody at dilution of 1:400.


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded mouse heart using SMAD2 Polyclonal Antibody at dilution of 1:400.



WB (Western Blot)
Western Blot analysis of various samples using SMAD2 Polyclonal Antibody at dilution of 1:800.

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 of this protein into the nucleus, where it binds to target promoters and forms a transcription repressor complex with other cofactors. This protein can also be phosphorylated by activin type 1 receptor kinase, and mediates the signal from the activin. Alternatively spliced transcript variants have been observed for this gene.
Product Categories/Family for anti-SMAD2 antibody	Cancer; Epigenetics and Nuclear Signaling; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	51173730
NCBI GeneID	4087
NCBI Accession #	NP_001003652.1
NCBI GenBank Nucleotide #	NM_001003652.3
UniProt Accession #	Q15796; Q62432; O70436
Molecular Weight	Calculated: 60kDa Observed: 60kDa
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

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/polyclonal/smad2-antibody-immunohistochemistry-western-blot-elisa/174563>