

Rabbit SMAD5 Polyclonal Antibody | anti-SMAD5 antibody

SMAD5 antibody - middle region

CATALOG # AAA197271	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	APPLICATIONS Western Blot
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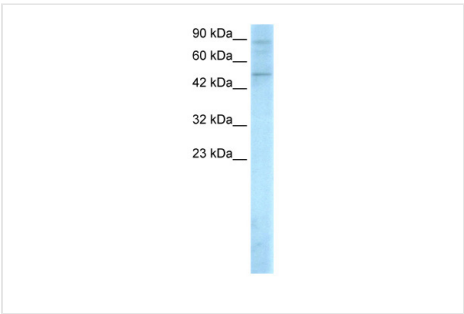
PRODUCT SYNONYMS

SMAD5; Polyclonal Antibody; SMAD5 antibody - middle region; anti-SMAD5 antibody

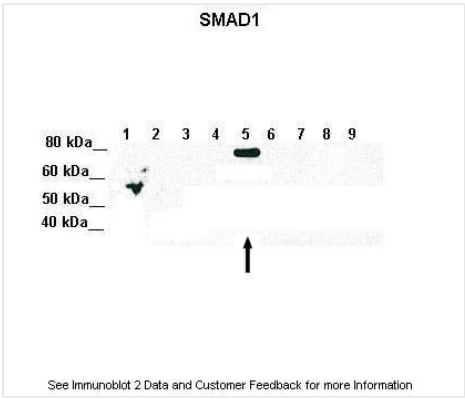
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: YP PSPASSTYPN SPASSGPGSP FQLPADTPPP AYMPPDDQMG QDNSQPMD
Sequence Length	465
Applicable Applications for anti-SMAD5 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 93%; Zebrafish: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human SMAD5
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

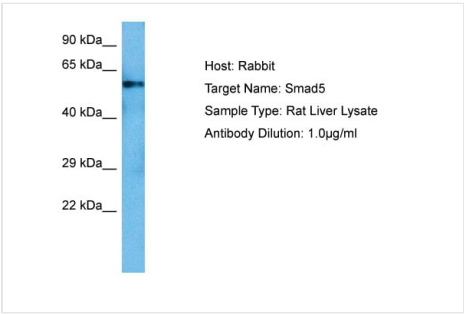
IMAGES



WB (Western Blot)
WB Suggested Anti-SMAD5 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control: HepG2 cell lysate



WB (Western Blot)
Lanes:Lane 1: 5ug of transfected 293T lysate (SMAD1)Lane 1: 5ug of transfected 293T lysate (SMAD2)Lane 1: 5ug of transfected 293T lysate (SMAD3)Lane 1: 5ug of transfected 293T lysate (SMAD4)Lane 1: 5ug of transfected 293T lysate (SMAD5)Lane 1: 5ug of transfected 293T lysate (SMAD6)Lane 1: 5ug of transfected 293T lysate (SMAD7)Lane 1: 5ug of transfected 293T lysate (SMAD8)Lane 1: 5ug of transfected 293T lysate (GFP)Primary Antibody Dilution:1:1000Secondary Antibody:Goat anti-Rabbit IgG HRP ConjugatedSecondary Antibody Dilution:1:10,000Gene Name:SMAD5Submitted by:Amanda Urlick, Medical College of Wisconsin



WB (Western Blot)
Host: RatTarget Name: SMAD5Sample Tissue: Rat LiverAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD5 antibody	This is a rabbit polyclonal antibody against SMAD5. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SMAD5 undergoes copy number gain and increased expression, rather than loss of expression, and therefore does not act as a tumor-suppressor gene in hepatocellular carcinoma. Up-regulated Smad5 mediates apoptosis of gastric epithelial cells induced by Helicobacter pylori infection.
Product Categories/Family for anti-SMAD5 antibody	Polyclonal; Transcription Factor; Transcription Regulation; Apoptosis; Disease Related; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	47778925
NCBI GeneID	4090
NCBI Accession #	NP_005894
NCBI GenBank Nucleotide #	NM_005903
UniProt Accession #	Q99717
Molecular Weight	51kDa

NCBI Official Full Name	mothers against decapentaplegic homolog 5
NCBI Official Synonym Full Names	SMAD family member 5
NCBI Official Symbol	SMAD5
NCBI Official Synonym Symbols	DWFC; JV5-1; MADH5
NCBI Protein Information	mothers against decapentaplegic homolog 5
UniProt Protein Name	Mothers against decapentaplegic homolog 5
UniProt Gene Name	SMAD5
UniProt Synonym Gene Names	MADH5; MAD homolog 5; Mothers against DPP homolog 5; SMAD 5; Smad5; hSmad5
UniProt Entry Name	SMAD5_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/polyclonal/smad5-antibody-western-blot-elisa/197271>