

Rabbit Smad9 Polyclonal Antibody | anti-Smad9 antibody

Smad9 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321802	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

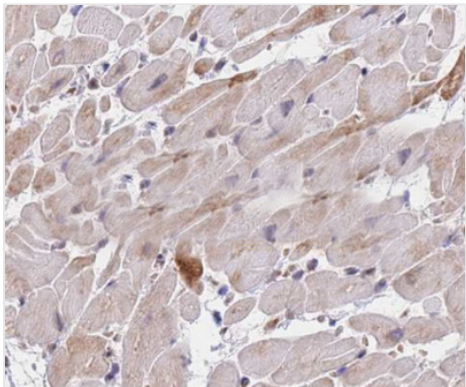
PRODUCT SYNONYMS

Smad9; Polyclonal Antibody; Smad9 Antibody; MAD homolog 9; Madh6; Mothers against decapentaplegic; Mothers against decapentaplegic homolog 9; Mothers against DPP homolog 9; SMAD 9; SMAD family member 9; SMAD; mothers against DPP homolog 9 (Drosophila); SMAD8A; SMAD8B; SMAD9_HUMAN; anti-Smad9 antibody

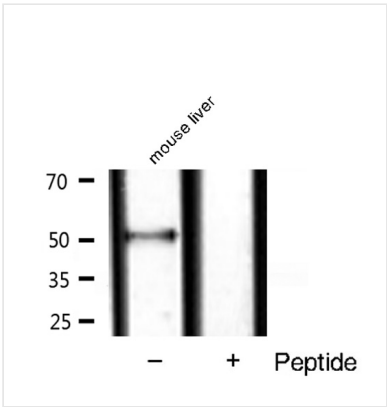
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Smad9 antibody detects endogenous levels of total Smad9
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	467
Applicable Applications for anti-Smad9 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Smad9
Subcellular Location	Cytoplasmic and Nuclear
Tissue Specificity	Expressed in heart, brain, placenta, lung, skeletal muscle, prostate, testis, ovary and small intestine. Also expressed in fetal brain, lung and kidney.
Predicted Cross Reactivity	Sheep, Chicken
Similarity	Sheep (100%), Chicken (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
IHC test Smad9 antibody in human skin tissue.



WB (Western Blot)
Western blot analysis of extracts of mouse liver, using Smad9 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Smad9 antibody	Description: SMAD9 is a member of the MAD-related family of molecules. MAD-related proteins are a recently identified family of intracellular proteins that are thought to be essential components in the signaling pathways of the serine/threonine kinase receptors of the transforming growth factor beta superfamily. Function: Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD9 is a receptor-regulated SMAD (R-SMAD). Subunit Structure: Interaction with the co-SMAD SMAD4. Interacts with PEBP2-alpha subunit. Interacts with RANBP3L (PubMed:25755279). Post-translational Modifications: Phosphorylated on serine by BMP (bone morphogenetic proteins) type 1 receptor kinase. Similarity: Belongs to the dwarfin/SMAD family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187828357
NCBI GeneID	4093
NCBI Accession #	NP_001120689.1
NCBI GenBank Nucleotide #	NM_001127217.2
UniProt Accession #	O15198; O14989; Q5TBA1; A2A2Y6
Molecular Weight	Observed: 52 kDa Predicted: 53 kDa
NCBI Official Full Name	mothers against decapentaplegic homolog 9 isoform a
NCBI Official Synonym Full Names	SMAD family member 9
NCBI Official Symbol	SMAD9
NCBI Official Synonym Symbols	PPH2; MADH6; MADH9; SMAD8; SMAD8A; SMAD8B; SMAD8/9
NCBI Protein Information	mothers against decapentaplegic homolog 9
UniProt Protein Name	Mothers against decapentaplegic homolog 9
UniProt Gene Name	SMAD9
UniProt Synonym Gene Names	; MAD homolog 9; Mothers against DPP homolog 9; SMAD 9; Smad9

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.

