

Rabbit SMAD6 Polyclonal Antibody | anti-SMAD6 antibody

SMAD6 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA201746	Rabbit	Cow, Dog, Human, Pig	Western Blot

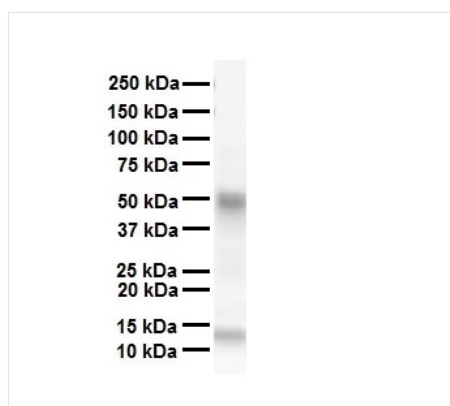
PRODUCT SYNONYMS

SMAD6; Polyclonal Antibody; SMAD6 antibody - N-terminal region; anti-SMAD6 antibody

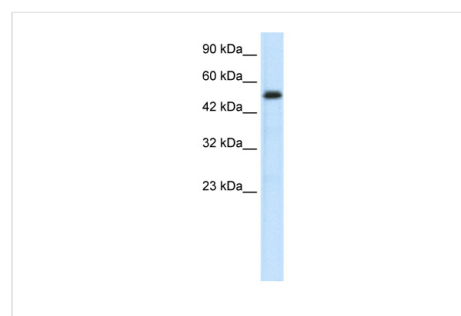
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Human, Pig
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 region: GA PRDASDPLAG AALEPAGGGR SREARSRLLL LEQELKTVTY SLLKRLKE
Sequence Length	496
Applicable Applications for anti-SMAD6 antibody	WB (Western Blot)
Homology	Cow: 85%; Dog: 91%; Human: 100%; Pig: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SMAD6
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-SMAD6 antibody Titration: 1 ug/mL Sample Type: Human heart


WB (Western Blot)

WB Suggested Anti-SMAD6 Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate There is BioGPS gene expression data showing that SMAD6 is expressed in Jurkat

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD6 antibody	This is a rabbit polyclonal antibody against SMAD6. It was validated on Western Blot using a cell lysate as a positive control. Target Description: SMAD6 (mothers against decapentaplegic homolog 6) is an antagonist of signaling by TGF-beta (transforming growth factor) type 1 receptor superfamily members; has been shown to inhibit selectively BMP (bone morphogenetic proteins) signaling by competing with the co-SMAD SMAD4 for receptor-activated SMAD1. SMAD6 is an inhibitory SMAD (I-SMAD) or antagonistic SMAD.
Product Categories/Family for anti-SMAD6 antibody	Polyclonal; Transcription Factor; Growth Factors & Hormones; Transcription Regulation; Cell Biology; Immunology; Signal Transduction; Various; Phosphorylation; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	115502451
NCBI GeneID	4091
NCBI Accession #	NP_005576
NCBI GenBank Nucleotide #	NM_005585
UniProt Accession #	O43541
Molecular Weight	53kDa
NCBI Official Full Name	Mothers against decapentaplegic homolog 6
NCBI Official Synonym Full Names	SMAD family member 6
NCBI Official Symbol	SMAD6
NCBI Official Synonym Symbols	AOVD2; MADH6; MADH7; HsT17432
NCBI Protein Information	mothers against decapentaplegic homolog 6
UniProt Protein Name	Mothers against decapentaplegic homolog 6
UniProt Gene Name	SMAD6
UniProt Synonym Gene Names	MADH6; MAD homolog 6; Mothers against DPP homolog 6; SMAD 6; Smad6; hSMAD6
UniProt Entry Name	SMAD6_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.