

Rabbit SMAD6 Polyclonal Antibody | anti-SMAD6 antibody

SMAD6 Antibody (Center)

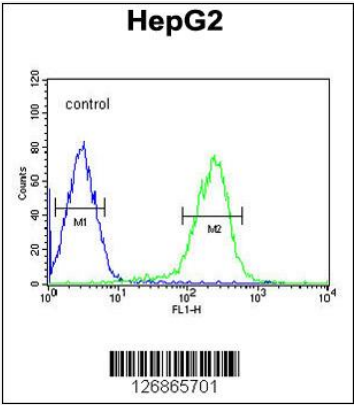
CATALOG # AAA284545	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse)	APPLICATIONS Western Blot, ELISA, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

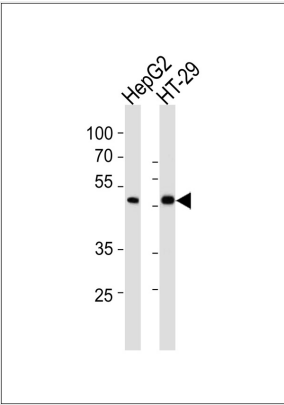
SMAD6; Polyclonal Antibody; SMAD6 Antibody (Center); Mothers against decapentaplegic homolog 6; MAD homolog 6; Mothers against DPP homolog 6; SMAD family member 6; SMAD 6; Smad6; hSMAD6; MADH6; anti-SMAD6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SMAD6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 358-386 amino acids from the Central region of human SMAD6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	358-386
Sequence Length	338
Applicable Applications for anti-SMAD6 antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
SMAD6 Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
SMAD6 Antibody (Center) western blot analysis in HepG2,HT29 cell line lysates (35ug/lane).This demonstrates the SMAD6 antibody detected the SMAD6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD6 antibody	SMAD6 belongs to the SMAD family of proteins, which are related to Drosophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling.
Product Categories/Family for anti-SMAD6 antibody	Crown Antibodies; Cardiovascular; Signal Transduction
References	Tseng, Z.H., et al. Heart Rhythm 6(12):1745-1750(2009) Shintani, M., et al. J. Med. Genet. 46(5):331-337(2009) Yu, H., et al. Acta Derm. Venereol. 89(4):351-356(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	218749837
NCBI GeneID	4091
NCBI Accession #	NP_001136333.1; NP_005576.3
NCBI GenBank Nucleotide #	NM_001142861.2
UniProt Accession #	O43541; O43654; Q15799; Q7Z7L4; Q96E31; Q9UKZ3; A9J6M5
Molecular Weight	53497
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/smad6-antibody-western-blot-flow-cytometry-elisa/284545>