

Rabbit anti-Human Smad4 Polyclonal Antibody | anti-Smad4 antibody

[KD Validated] Smad4 Rabbit pAb

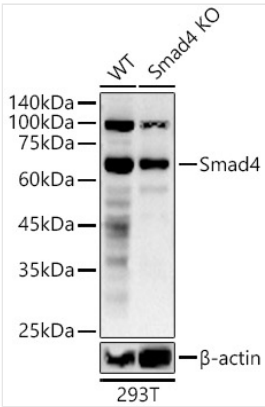
CATALOG # AAA282200	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

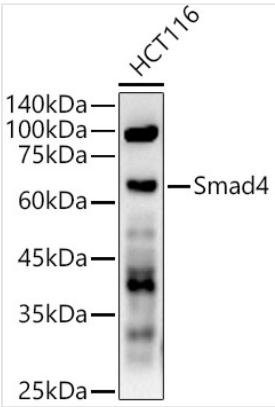
Smad4; Polyclonal Antibody; [KD Validated] Smad4 Rabbit pAb; SMAD4; DPC4; JIP; MADH4; MYHRS; SMAD family member 4; anti-Smad4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	ESLQERADEA TTQKQSGEDN QDLAISFAGN GLSALRTSGS QARATCYCRT GRCATRESLS GVCEISGRLY RLCCR
Applicable Applications for anti-Smad4 antibody	WB (Western Blot)
Positive Samples	293T, HCT116
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 160-450 of human Smad4 (NP_005350.1).
Cellular Location	Cytoplasm, Nucleus
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



WB (Western Blot)
Western blot analysis of extracts from wild type(WT) and Smad4 Rabbit pAb knockdown (KD) 293T cells, using Smad4 Rabbit pAb antibody at 1:615 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.



WB (Western Blot)
Western blot analysis of HCT116, using Smad4 Rabbit pAb antibody at 1:615 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-Smad4 antibody	This gene encodes a member of the Smad family of signal transduction proteins. Smad proteins are phosphorylated and activated by transmembrane serine-threonine receptor kinases in response to TGF-beta signaling. The product of this gene forms homomeric complexes and heteromeric complexes with other activated Smad proteins, which then accumulate in the nucleus and regulate the transcription of target genes. This protein binds to DNA and recognizes an 8-bp palindromic sequence (GTCTAGAC) called the Smad-binding element (SBE). The Smad proteins are subject to complex regulation by post-translational modifications. Mutations or deletions in this gene have been shown to result in pancreatic cancer, juvenile polyposis syndrome, and hereditary hemorrhagic telangiectasia syndrome.
Product Categories/Family for anti-Smad4 antibody	Epigenetics & Nuclear Signaling ; Transcription Factors ; Cancer ; Tumor suppressors ; Signal Transduction ; MAPK-JNK Signaling Pathway ; Cell Biology & Developmental Biology ; Apoptosis ; Cell Cycle ; G1/S Checkpoint ; TGF-b-Smad Signaling Pathway ; ESC Pluripotenc

NCBI AND UNIPROT INFORMATION

NCBI GI #	10337585
NCBI GeneID	1670
NCBI Accession #	NP_066290.1
NCBI GenBank Nucleotide #	NM_021010.1
UniProt Accession #	Q01523 ; Q3KNV2 ; A0JDY6
Molecular Weight	10,071 Da
NCBI Official Full Name	defensin-5 preproprotein
NCBI Official Synonym Full Names	defensin, alpha 5, Paneth cell-specific
NCBI Official Symbol	DEFA5
NCBI Official Synonym Symbols	DEF5; HD-5
NCBI Protein Information	defensin-5; HD5(20-94); defensin 5; defensin, alpha 5, preproprotein
UniProt Protein Name	Defensin-5
UniProt Gene Name	DEFA5

UniProt Synonym Gene Names	DEF5
UniProt Entry Name	DEF5_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://www.aaabiotech.com/polyclonal/smad4-antibody-western-blot-elisa/282200>