

Rabbit SMAD4 Polyclonal Antibody | anti-SMAD4 antibody

SMAD4 Polyclonal Antibody

CATALOG # AAA172987	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, ELISA
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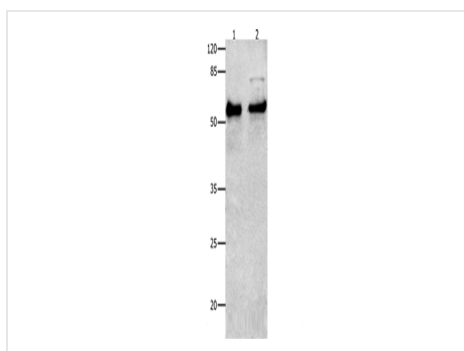
PRODUCT SYNONYMS

SMAD4; Polyclonal Antibody; SMAD4 Polyclonal Antibody; JIP; DPC4; MADH4; MYHRS; anti-SMAD4 antibody

PRODUCT SPECIFICATIONS

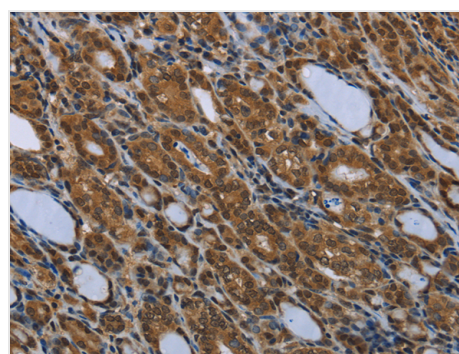
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% sodium azide, 50% glycerol, pH7.4
Sequence Length	436
Applicable Applications for anti-SMAD4 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Fusion protein of human SMAD4
Conjugation	Unconjugated
Note	Centrifuge before opening to ensure complete recovery of vial contents
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



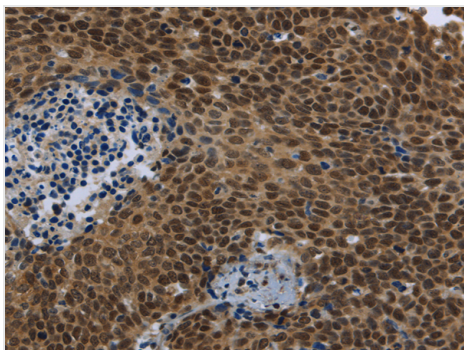
WB (Western Blot)

Western Blot analysis of Human liver cancer tissue and Hela cells using SMAD4 Polyclonal Antibody at dilution of 1:150



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human thyroid cancer using SMAD4 Polyclonal Antibody at dilution of 1/40



IHC (Immunohistochemistry)
 Immunohistochemistry of paraffin-embedded Human cervical cancer using SMAD4 Polyclonal
 Antibody at dilution of 1/40 Calculated MW: 60 kDa

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	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	13603414
NCBI GeneID	4089
NCBI Official Full Name	SMAD4, partial
NCBI Official Synonym Full Names	SMAD family member 4
NCBI Official Symbol	SMAD4
NCBI Official Synonym Symbols	JIP; DPC4; MADH4; MYHRS
NCBI Protein Information	mothers against decapentaplegic homolog 4
UniProt Protein Name	Mothers against decapentaplegic homolog 4
UniProt Gene Name	SMAD4
UniProt Synonym Gene Names	DPC4; MADH4; MAD homolog 4; Mothers against DPP homolog 4; SMAD 4; Smad4; hSMAD4
UniProt Entry Name	SMAD4_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.