

Rabbit SMAD7 Polyclonal Antibody | anti-SMAD7 antibody

SMAD7 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA177376	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry

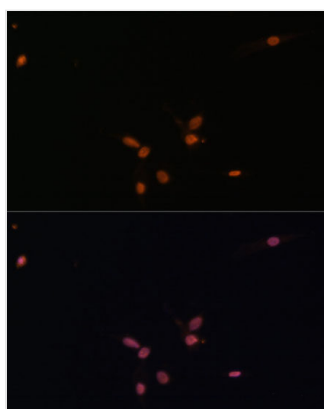
PRODUCT SYNONYMS

SMAD7; Polyclonal Antibody; SMAD7 Polyclonal Antibody; CRCS3; MADH7; MADH8; anti-SMAD7 antibody

PRODUCT SPECIFICATIONS

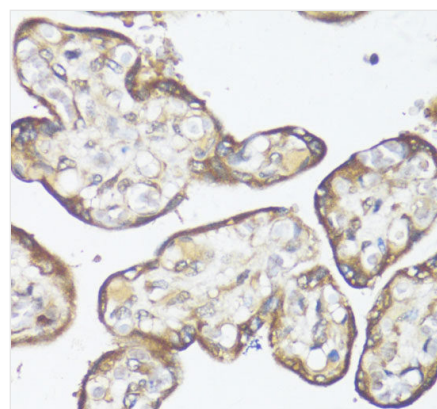
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-SMAD7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide of human SMAD7 (NP_0058951)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



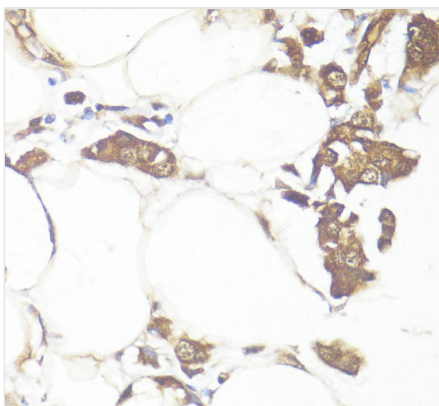
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using SMAD7 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



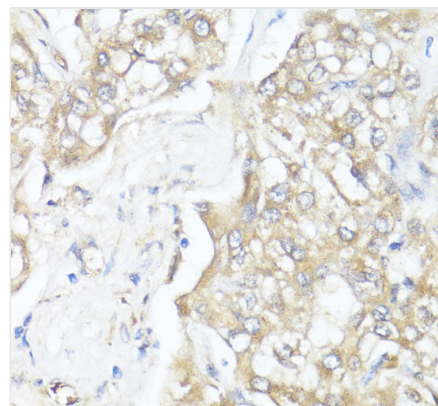
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human placenta using SMAD7 Polyclonal Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer using SMAD7 Polyclonal Antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human liver cancer using SMAD7 Polyclonal Antibody at dilution of 1:100 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD7 antibody	The protein encoded by this gene is a nuclear protein that binds the E3 ubiquitin ligase SMURF2. Upon binding, this complex translocates to the cytoplasm, where it interacts with TGF-beta receptor type-1 (TGFB1), leading to the degradation of both the encoded protein and TGFB1. Expression of this gene is induced by TGFB1. Variations in this gene are a cause of susceptibility to colorectal cancer type 3 (CRCS3). Several transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-SMAD7 antibody	Cancer; Epigenetics and Nuclear Signaling; Signal Transduction; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	18418630
NCBI GeneID	4092
UniProt Accession #	O15105; O14740; Q6DK23; B7Z773; K7EQ10
Molecular Weight	46,426 Da
NCBI Official Full Name	Smad7
NCBI Official Synonym Full Names	SMAD family member 7
NCBI Official Symbol	SMAD7
NCBI Official Synonym Symbols	CRCS3; MADH7; MADH8
NCBI Protein Information	mothers against decapentaplegic homolog 7; hSMAD7; MAD homolog 8; mothers against DPP homolog 8; SMAD, mothers against DPP homolog 7; Mothers against decapentaplegic, drosophila, homolog of, 7; MAD (mothers against decapentaplegic, Drosophila) homolog 7
UniProt Protein Name	Mothers against decapentaplegic homolog 7
UniProt Gene Name	SMAD7
UniProt Synonym Gene Names	MADH7; MADH8; MAD homolog 7; Mothers against DPP homolog 7; MAD homolog 8; Mothers against DPP homolog 8; SMAD 7; Smad7; hSMAD7
UniProt Entry Name	SMAD7_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/smad7-antibody-immunofluorescence-immunohistochemistry-elisa/177376>