

Rabbit SMAD6 Polyclonal Antibody | anti-SMAD6 antibody

SMAD6 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312892	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

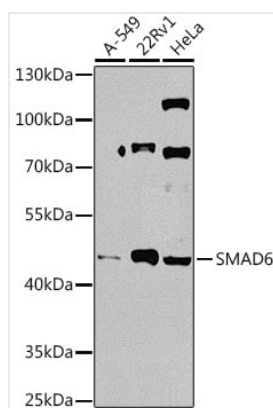
PRODUCT SYNONYMS

SMAD6; Polyclonal Antibody; SMAD6 Polyclonal Antibody; AOVD2; HsT17432; MADH6; MADH7; anti-SMAD6 antibody

PRODUCT SPECIFICATIONS

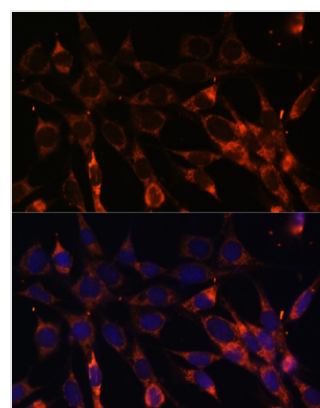
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH7.4, 150mM NaCl, 0.02% sodium azide and 86% glycerol. PBS with 0.02% sodium azide, 50% glycerol, pH7.39
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SMAD6 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human SMAD6 (NP_005576.3)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



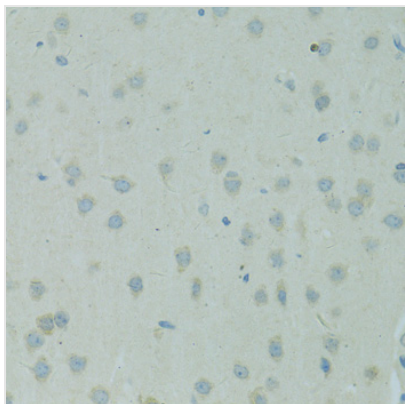
WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SMAD6 antibody at 1:1000 dilution.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using SMAD6 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat brain using SMAD6 antibody at dilution of 1:100 .

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD6 antibody	The protein encoded by this gene 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. Multiple transcript variants have been found for this gene.
Product Categories/Family for anti-SMAD6 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	92859871
NCBI GeneID	4091
NCBI Accession #	NP_005576.3
NCBI GenBank Nucleotide #	NM_005585.4
UniProt Accession #	O43541; O43654; Q15799; Q7Z7L4; Q96E31; Q9UKZ3; A9J6M5
Molecular Weight	35,467 Da
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.