

Mouse anti-Human SMAD4 Monoclonal Antibody | anti-SMAD4 antibody

SMAD4 (Mothers Against Decapentaplegic Homolog 4, SMAD 4, Mothers Against DPP Homolog 4, Deletion Target In Pancreatic Carcinoma 4, MAD Homolog 4, SMAD Family Member 4, hSMAD4, DPC4, MADH4) (HRP)

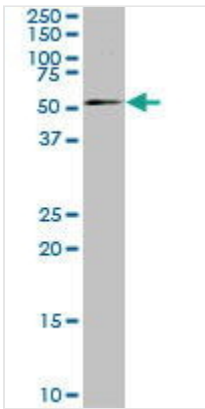
CATALOG # AAA25545	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

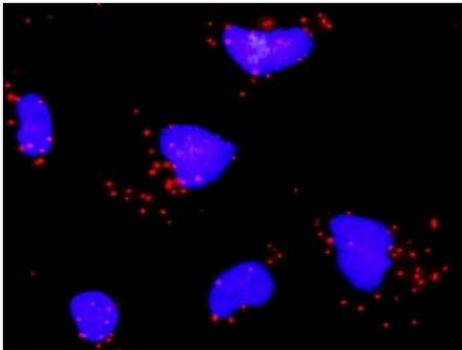
SMAD4; Monoclonal Antibody; SMAD4 (Mothers Against Decapentaplegic Homolog 4; SMAD 4; Mothers Against DPP Homolog 4; Deletion Target In Pancreatic Carcinoma 4; MAD Homolog 4; SMAD Family Member 4; hSMAD4; DPC4; MADH4) (HRP); anti-SMAD4 antibody

PRODUCT SPECIFICATIONS

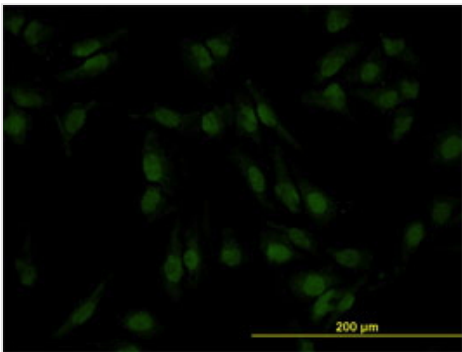
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3E2
Specificity	Recognizes human SMAD4.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-SMAD4 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-552 from human SMAD4 (AAH02379) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MDNMSITNTPTSDACLIVHSLMCHRQGGESETFAKRAIESLVKKLKEKKDELDSLITAITTSGAHPSKCVTIQRTLDGRLQVAGRKGFPYVIARLWRWF
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor



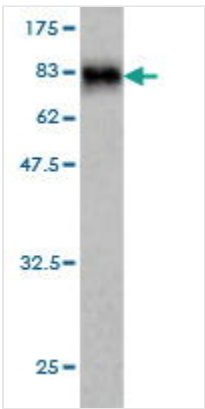
WB (Western Blot)
SMAD4 monoclonal antibody. Western Blot analysis of SMAD4 expression in IMR-32.



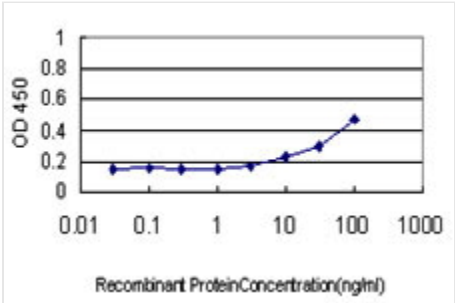
Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between CDKN1A and SMAD4 HeLa cells were stained with CDKN1A rabbit purified polyclonal 1:1200 and SMAD4 mouse monoclonal antibody 1:50. Signals were detected 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.



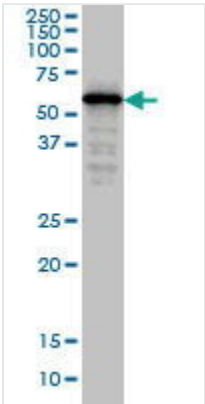
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to SMAD4 on HeLa cell. [antibody concentration 10ug/ml]



WB (Western Blot)
Western Blot detection against Immunogen (86.46kD).



Application Data
Detection limit for recombinant GST tagged SMAD4 is ~3ng/ml as a capture antibody.



WB (Western Blot)
SMAD4 monoclonal antibody Western Blot analysis of SMAD4 expression in HeLa NE.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD4 antibody	Common mediator of signal transduction by TGF-beta (transforming growth factor) superfamily, SMAD4 is the common SMAD (co-SMAD). It promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. It may act as a tumor suppressor.
Product Categories/Family for anti-SMAD4 antibody	Antibodies; Smad Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	33876626
NCBI GeneID	4089
Molecular Weight	60,439 Da
NCBI Official Full Name	Homo sapiens SMAD family member 4, mRNA
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

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/monoclonal/smad4-antibody-clone-3e2-western-blot-elisa/25545>