Rabbit SMAD1 Polyclonal Antibody | anti-SMAD1 antibody

Anti-SMAD1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA104267	**Rabbit**	**Human, Mouse, Rat, Bovine, Chicken, Zebrafish**	**Immunohistochemistry, Western Blot**

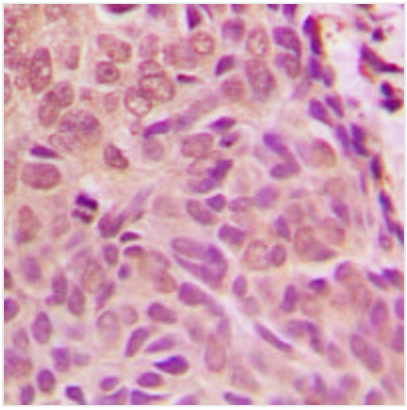
PRODUCT SYNONYMS

SMAD1; Polyclonal Antibody; Anti-SMAD1 Antibody; BSP1; MADH1; MADR1; Mothers against decapentaplegic homolog 1; MAD homolog 1; Mothers against DPP homolog 1; JV4-1; Mad-related protein 1; SMAD family member 1; SMAD 1; Smad1; hSMAD1; Transforming growth factor-beta-signaling protein 1; BSP-1; SMAD5; MADH5; Mothers against decapentaplegic homolog 5; MAD homolog 5; Mothers against DPP homolog 5; JV5-1; SMAD family member 5; SMAD 5; Smad5; hSmad5; SMAD9; MADH6; MADH9; Mothers against decapentaplegic homolog 9; MAD homolog 9; Mothers against DPP homolog 9; Madh6; SMAD family member 9; SMAD 9; Smad9; anti-SMAD1 antibody

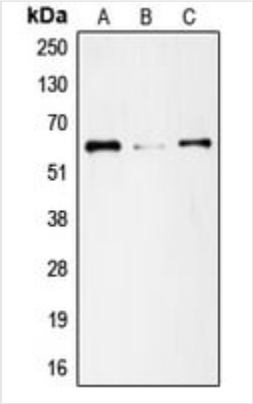
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine, Chicken, Zebrafish
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of SMAD1 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	465
Applicable Applications for anti-SMAD1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SMAD1. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemical analysis of SMAD1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)
Western blot analysis of SMAD1 expression in Jurkat (A), HeLa (B), Ramos (C) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD1 antibody	Rabbit polyclonal antibody to SMAD1

NCBI AND UNIPROT INFORMATION

NCBI GI #	51173727
NCBI GeneID	4086
NCBI Accession #	NP_001003688.1
NCBI GenBank Nucleotide #	NM_001003688.1
UniProt Accession #	Q15797; Q16636; Q9UFT8; A8KAJ0; D3DNZ9
Molecular Weight	15,406 Da
NCBI Official Full Name	mothers against decapentaplegic homolog 1
NCBI Official Synonym Full Names	SMAD family member 1
NCBI Official Symbol	SMAD1
NCBI Official Synonym Symbols	BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1
NCBI Protein Information	mothers against decapentaplegic homolog 1; MAD homolog 1; Mad-related protein 1; TGF-beta signaling protein 1; mothers against DPP homolog 1; SMAD, mothers against DPP homolog 1; MAD, mothers against decapentaplegic homolog 1; transforming growth factor-beta signaling protein 1; transforming growth factor-beta-signaling protein 1
UniProt Protein Name	Mothers against decapentaplegic homolog 1
UniProt Gene Name	**SMAD1**
UniProt Synonym Gene Names	BSP1; MADH1; MADR1; MAD homolog 1; Mothers against DPP homolog 1; SMAD 1; Smad1; hSMAD1; BSP-1
UniProt Entry Name	SMAD1_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.