

Rabbit Smad4 Polyclonal Antibody | anti-Smad4 antibody

Phospho-Smad4 (Thr276)[Thr277] Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329838	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Smad4; Polyclonal Antibody; Phospho-Smad4 (Thr276)[Thr277] Antibody; (Small) Mothers Against Decapentaplegic; Deleted in Pancreatic Carcinoma 4; Deleted in Pancreatic Carcinoma; Deleted in pancreatic carcinoma locus 4; Deletion target in pancreatic carcinoma 4; DPC 4; DPC4; hSMAD4; JIP; MAD homolog 4; MAD mothers against decapentaplegic Drosophila homolog 4; MAD mothers against decapentaplegic homolog 4; MADH 4; MADH4; Med; Medea; Mothers against decapentaplegic homolog 4; Mothers against decapentaplegic; Drosophila; homolog of; 4; Mothers against DPP homolog 4; MYHRS; OTTHUMP00000163548; SMA- and MAD-related protein 4; SMAD 4; SMAD family member 4; SMAD mothers against DPP homolog 4; SMAD4; SMAD4_HUMAN; anti-Smad4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-Smad4 (Thr276) Antibody detects endogenous levels of Smad4 only when phosphorylated at Thr277, which site historically referenced as Thr276.
Purity/Purification	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Smad4 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Smad4 around the phosphorylation site of Thr276
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt

IMAGES



IF (Immunofluorescence)

Staining HeLa cells(heat shock treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(AF8316) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from PMA treated HeLa cells, using Phospho-Smad4 (Thr276) Antibody.-/+ means absence or presence of N peptide¼non-phospho peptide) and P peptide(phospho peptide).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885457
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NCBI GeneID	4089
NCBI Accession #	NP_005350.1
NCBI GenBank Nucleotide #	NM_005359.5
UniProt Accession #	Q13485; A8K405
Molecular Weight	70kDa
NCBI Official Full Name	mothers against decapentaplegic homolog 4
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; MAD homolog 4; SMAD, mothers against DPP homolog 4; deleted in pancreatic carcinoma locus 4; deletion target in pancreatic carcinoma 4; mothers against decapentaplegic, Drosophila, homolog of, 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sm4d4-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/329838>