

Rabbit SMAD2 Monoclonal Antibody | anti-SMAD2 antibody

SMAD2 (Phospho-S250) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311031	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

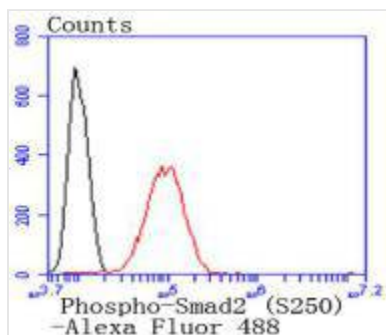
PRODUCT SYNONYMS

SMAD2; Monoclonal Antibody; SMAD2 (Phospho-S250) Antibody; Drosophila; homolog of; MADR2 antibody; hMAD-2 antibody; HsMAD2 antibody; JV18 antibody; JV18-1 antibody; JV181 antibody; MAD antibody; MAD homolog 2 antibody; MAD Related Protein 2 antibody; Mad-related protein 2 antibody; MADH2 antibody; MGC22139 antibody; MGC34440 antibody; Mother against DPP homolog 2 antibody; Mothers against decapentaplegic homolog 2 antibody; Mothers against decapentaplegic; 2 antibody; Mothers against DPP homolog 2 antibody; OTTHUMP00000163489 antibody; Sma and Mad related protein 2 antibody; Sma- and Mad-related protein 2 MAD antibody; SMAD 2 antibody; SMAD family member 2 antibody; SMAD; mothers against DPP homolog 2 antibody; SMAD2 antibody; SMAD2_HUMAN antibody; anti-SMAD2 antibody

PRODUCT SPECIFICATIONS

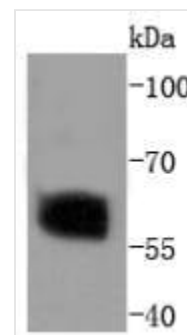
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SD207-1
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SMAD2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser250 of human Smad2.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Hela cells with Phospho-Smad2 (S250) antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



WB (Western Blot)

Western blot analysis of Phospho-Smad2 (S250) on Hela cells lysates using anti-Phospho-Smad2 (S250) antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD2 antibody	Smad proteins, the mammalian homologs of the Drosophila mothers against decapentaplegic (Mad), have been implicated as downstream effectors of TGFbeta /BMP signaling. Smad1 (also designated Madr1 or JV4-1) and Smad5 are effectors of BMP-2 and BMP-4 function, while Smad2 (also designated Madr2 or JV18-1) and Smad3 are involved in TGFbeta and Activin-mediated growth modulation. Smad4 (also designated DPC4) has been shown to mediate all of the above activities through interaction with various Smad family members. Smad6 and Smad7 regulate the response to Activin/TGFbeta signaling by interfering with TGFbeta-mediated phosphorylation of other Smad proteins.
Product Categories/Family for anti-SMAD2 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	51173730
NCBI GeneID	4087
NCBI Accession #	NP_001003652.1
NCBI GenBank Nucleotide #	NM_001003652.3
UniProt Accession #	Q15796
Molecular Weight	52,306 Da
NCBI Official Full Name	mothers against decapentaplegic homolog 2 isoform 1
NCBI Official Synonym Full Names	SMAD family member 2
NCBI Official Symbol	SMAD2
NCBI Official Synonym Symbols	JV18; MADH2; MADR2; JV18-1; hMAD-2; hSMAD2
NCBI Protein Information	mothers against decapentaplegic homolog 2; MAD homolog 2; mother against DPP homolog 2; Sma- and Mad-related protein 2; SMAD, mothers against DPP homolog 2
UniProt Protein Name	Mothers against decapentaplegic homolog 2
UniProt Gene Name	SMAD2
UniProt Synonym Gene Names	MADH2; MADR2; MAD homolog 2; Mothers against DPP homolog 2; hMAD-2; SMAD 2; Smad2; hSMAD2
UniProt Entry Name	SMAD2_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/monoclonal/smad2-antibody-clone-sd207-1-flow-cytometry-immunohistochemistry-western-blot-elisa/311031>