

Rabbit anti-Human Smad5 Monoclonal Antibody | anti-SMAD5 antibody

Smad5 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282683	Rabbit	Human	ELISA, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

Smad5; Monoclonal Antibody; Smad5 Rabbit mAb; DWFC; JV5-1; MADH5; anti-SMAD5 antibody

PRODUCT SPECIFICATIONS

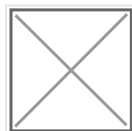
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	STYPNSPASS GPGSPFQLPA DTPPPAYMPP DDQMGQDNSQ PMDTSNNMIP QIMPSISSRD VQPVAYEEPK HWCSIVYYEL NNRVGEAFHA SSTSVLVDGF T
Applicable Applications for anti-SMAD5 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human Smad5 (Q99717).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



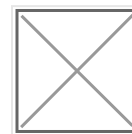
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300 ug extracts of K-562 cells using 3 ug Smad5 antibody (AAA282683). Western blot was performed from the immunoprecipitate using Smad5 antibody (AAA282683) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of lysates from K-562 cells, using Smad5 Rabbit mAb (AAA282683) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



WB (Western Blot)

Western blot analysis of lysates from C2C12 cells, using Smad5 Rabbit mAb (AAA282683) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD5 antibody	The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-SMAD5 antibody	Epigenetics Nuclear Signaling; Signal Transduction; Cell Biology Developmental Biology; TGF-b-Smad Signaling Pathway; ESC Pluripotency and Differentiation; Stem Cells; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	47778929
NCBI GeneID	4090
NCBI Accession #	NP_001001419.1
NCBI GenBank Nucleotide #	NM_001001419.1
UniProt Accession #	Q99717; O14688; Q15798; Q9UQA1
Molecular Weight	Calculated MW: 52kDa Observed MW: 60kDa
UniProt Protein Name	Mothers against decapentaplegic homolog 5
UniProt Gene Name	SMAD5
UniProt Synonym Gene Names	MADH5; MAD homolog 5; Mothers against DPP homolog 5; SMAD 5; Smad5; hSmad5
UniProt Entry Name	SMAD5_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/smad5-antibody-immunoprecipitation-western-blot-elisa/282683>