

Rabbit anti-Human Smad5-S465 Monoclonal Antibody | anti-SMAD5 antibody

Phospho-Smad5-S465 Rabbit mAb

CATALOG # AAA283154	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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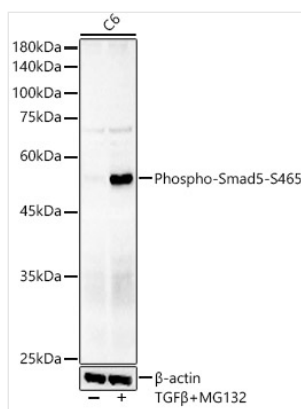
PRODUCT SYNONYMS

Smad5-S465; Monoclonal Antibody; Phospho-Smad5-S465 Rabbit mAb; DWFC; JV5-1; MADH5; Phospho-Smad5-S465; anti-SMAD5 antibody

PRODUCT SPECIFICATIONS

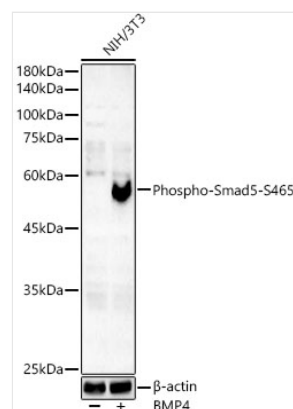
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-SMAD5 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Mouse, Rat
Immunogen	A synthetic phosphorylated peptide around S465 of human Smad5.
Modification	Phospho S465
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from C6 cells, using Phospho-Smad5-S465 Rabbit mAb (AAA283154) at 1:2000 dilution. C6 cells were treated by MG132(50 uM) and TGF β at 37 $^{\circ}$ for 90 minutes. 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: 180s.



WB (Western Blot)

Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Smad5-S465 Rabbit mAb (AAA283154) at 1:2000 dilution. NIH/3T3 cells were treated by BMP4(50ng/ml) at 37 $^{\circ}$ for 6 hours. 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: 180s.

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; Phosphorylated 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: 58kDa
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-s465-antibody-western-blot-elisa/283154>