

Rabbit anti-Human Smad2-S465/S467 + Smad3-S423/S425 Monoclonal Antibody | anti-SMAD2/SMAD3 antibody

Phospho-Smad2-S465/S467 + Smad3-S423/S425 Rabbit mAb

CATALOG # AAA283143	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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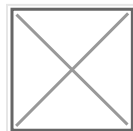
PRODUCT SYNONYMS

Smad2-S465/S467 + Smad3-S423/S425; Monoclonal Antibody; Phospho-Smad2-S465/S467 + Smad3-S423/S425 Rabbit mAb; HSPC193; HsT17436; JV15-2; LDS1C; LDS3; MADH3; Phospho-Smad2-S465/S467 + Smad3-S423/S425; anti-SMAD2/SMAD3 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.
Sequence	SSMS
Applicable Applications for anti-SMAD2/SMAD3 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic phosphorylated peptide around S465 & S467 of human SMAD2 (NP_005892.1).
Modification	Phospho S465/S467 + S423/S425
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of various lysates using Phospho-Smad2-S465/S467 + Smad3-S423/S425 Rabbit mAb (AAA283143) at 1:1000 dilution. C6 cells were treated by TGF- γ 3 (200 ng/mL) at 37 $^{\circ}$ for 30 minutes after serum-starvation overnight. 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: 30s.



WB (Western Blot)

Western blot analysis of various lysates, using Phospho-Smad2-S465/S467 + Smad3-S423/S425 Rabbit mAb (AAA283143) at 1:2000 dilution. HeLa and NIH/3T3 cells were treated by TGF- γ 3 (200 ng/mL) at 37 $^{\circ}$ for 30 minutes after serum-starvation overnight. 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: 60s.

ADDITIONAL INFORMATION

Related Product Information for anti-SMAD2/SMAD3 antibody	The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein mediates the signal of the transforming growth factor (TGF)-beta, and thus regulates multiple cellular processes, such as cell proliferation, apoptosis, and differentiation. This protein is recruited to the TGF-beta receptors through its interaction with the SMAD anchor for receptor activation (SARA) protein. In response to TGF-beta signal, this protein is phosphorylated by the TGF-beta receptors. The phosphorylation induces the dissociation of this protein with SARA and the association with the family member SMAD4. The association with SMAD4 is important for the translocation of this protein into the nucleus, where it binds to target promoters and forms a transcription repressor complex with other cofactors. This protein can also be phosphorylated by activin type 1 receptor kinase, and mediates the signal from the activin. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, May 2012]
Product Categories/Family for anti-SMAD2/SMAD3 antibody	Protein phosphorylation; Phosphorylated Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	51173730
NCBI GeneID	4087/4088
NCBI Accession #	NP_001003652.1
NCBI GenBank Nucleotide #	NM_001003652.3
UniProt Accession #	Q15796; P84022
Molecular Weight	Calculated MW: 48kDa/52kDa/25kDa/35kDa/43kDa Observed MW: 52kDa/60kDa
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-s465-s467-smad3-s423-s425-antibody-western-blot-elisa/283143>