

Smad1/5/9 blocking peptide

Phospho-Smad1/5/9 (Ser463+Ser465) Blocking Peptide

CATALOG # AAA330004	APPLICATIONS Blocking
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PRODUCT SYNONYMS

Smad1/5/9; Phospho-Smad1/5/9 (Ser463+Ser465) Blocking Peptide; BSP-1; BSP1; HsMAD1; JV4-1; JV41; MAD homolog 1; MAD mothers against decapentaplegic homolog 1; Mad related protein 1; Mad-related protein 1; MADH1; MADR1; Mothers against decapentaplegic homolog 1; Mothers against DPP homolog 1; SMA- AND MAD-RELATED PROTEIN 1; SMAD 1; SMAD family member 1; SMAD mothers against DPP homolog 1; Smad1; SMAD1_HUMAN; TGF beta signaling protein 1; Transforming growth factor-beta-signaling protein 1; DKFZp781C1895; DKFZp781O1323; Dwfc; hSmad5; JV5 1; JV5-1; MAD homolog 5; MAD; mothers against decapentaplegic homolog 5; MADH 5; MADH5; Mothers against decapentaplegic homolog 5; mothers against decapentaplegic; drosophila; homolog of; 5; Mothers against DPP homolog 5; MusMLP; SMA and MAD related protein 5; SMAD 5; SMAD family member 5; SMAD; mothers against DPP homolog 5; Smad5; SMAD5_HUMAN; MAD homolog 9; Madh6; Mothers against decapentaplegic; Mothers against decapentaplegic homolog 9; Mothers against DPP homolog 9; SMAD 9; SMAD family member 9; mothers against DPP homolog 9 (Drosophila); SMAD8A; SMAD8B; Smad9; SMAD9_HUMAN; Smad1/5/9 blocking peptide

PRODUCT SPECIFICATIONS

Purity/Purification	The purity is >90%,tested by HPLC and MS.
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Applicable Applications for Smad1/5/9 blocking peptide	Blocking
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
Preparation and Storage	Maintain refrigerated at 2-8°C. For long term storage store at -20°C.

ADDITIONAL INFORMATION

Related Product Information for Smad1/5/9 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51173727
NCBI GeneID	4086
NCBI Accession #	NP_001003688.1
NCBI GenBank Nucleotide #	NM_001003688.1
UniProt Accession #	Q15797 ; Q99717 ; O15198
NCBI Official Full Name	mothers against decapentaplegic homolog 1
NCBI Official Synonym Full Names	SMAD family member 1
NCBI Official Symbol	SMAD1
NCBI Official Synonym Symbols	BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1

NCBI Protein Information	mothers against decapentaplegic homolog 1; MAD homolog 1; Mad-related protein 1; TGF-beta signaling protein 1; mothers against DPP homolog 1; SMAD, mothers against DPP homolog 1; MAD, mothers against decapentaplegic homolog 1; transforming growth factor-b
UniProt Protein Name	Mothers against decapentaplegic homolog 1
UniProt Gene Name	SMAD1
UniProt Synonym Gene Names	BSP1; MADH1; MADR1; MAD homolog 1; Mothers against DPP homolog 1; SMAD 1; Smad1; hSMAD1; BSP-1
UniProt Entry Name	SMAD1_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/blocking-peptide/smad1-5-9/330004>