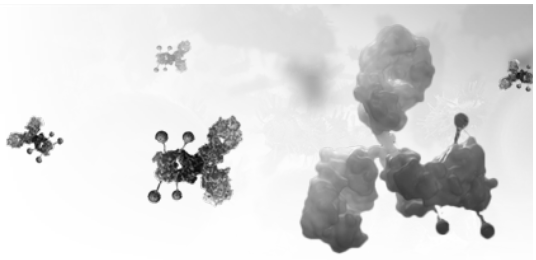

Human SMAD4 blocking peptide (CDBP2733)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SMAD4/MADH4 antibody
Antigen Description	This gene encodes a member of the Smad family of signal transduction proteins. Smad proteins are phosphorylated and activated by transmembrane serine-threonine receptor kinases in response to TGF-beta signaling. The product of this gene forms homomeric complexes and heteromeric complexes with other activated Smad proteins, which then accumulate in the nucleus and regulate the transcription of target genes. This protein binds to DNA and recognizes an 8-bp palindromic sequence (GTCTAGAC) called the Smad-binding element (SBE). The Smad proteins are subject to complex regulation by post-translational modifications. Mutations or deletions in this gene have been shown to result in pancreatic cancer, juvenile polyposis syndrome, and hereditary hemorrhagic telangiectasia syndrome. [provided by RefSeq, Oct 2009]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	SMAD4 SMAD family member 4 [Homo sapiens]

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Official Symbol	SMAD4
Synonyms	SMAD4; SMAD family member 4; MAD, mothers against decapentaplegic homolog 4 (Drosophila) , MADH4, SMAD, mothers against DPP homolog 4 (Drosophila); mothers against decapentaplegic homolog 4; DPC4; MAD homolog 4; SMAD, mothers against DPP homolog 4; deleted in pancreatic carcinoma locus 4; deletion target in pancreatic carcinoma 4; mothers against decapentaplegic, Drosophila, homolog of, 4; JIP; MADH4; MYHRS;
Entrez Gene ID	4089
mRNA Refseq	NM_005359
Protein Refseq	NP_005350
UniProt ID	Q13485
Chromosome Location	18q21.1
Pathway	ALK1 signaling events, organism-specific biosystem; ALK2 signaling events, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; BMP Signalling Pathway, organism-specific biosystem; BMP receptor signaling, organism-specific biosystem;
Function	contributes_to DNA binding; DNA binding; I-SMAD binding; R-SMAD binding; SMAD binding; chromatin binding; collagen binding; core promoter proximal region sequence-specific DNA binding; identical protein binding; protein binding; contributes_to protein bin

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221