

SP1399P**Polyclonal Antibody to SMAD2 - Purified**

Alternate names:	JV18-1, MAD homolog 2, MADH2, MADR2, Mad-related protein 2, Mothers against DPP homolog 2, Mothers against decapentaplegic homolog 2, SMAD 2, SMAD family member 2, SMAD-2
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	This protein is a transcriptional modulator activated by TGF beta and may act as a tumour suppressor in colorectal carcinoma. It is found at high levels in skeletal muscle, heart and placenta. MADH2 exists in isoforms, a predominant long form and a short form missing the 30 amino acid exon 3. The short form shows DNA binding and higher transcriptional activation activity.
Uniprot ID:	Q15796
NCBI:	NP_001003652.1
GeneID:	4087
Host:	Goat
Immunogen:	Synthetic peptide SEIWGLSTPNTID derived from MADH2 protein sequence.
Format:	State: Liquid purified IgG Purification: Affinity chromatography Buffer System: TRIS buffered saline pH7.3 containing 0.02% Sodium Azide and 0.5% Bovine Serum Albumin
Applications:	Western Blot: 1/200 - 1/500; this antibody detects bands of approximately 45kDa and 50kDa in HeLa cell lysates; a minimum incubation time of 1 hour is recommended with this antibody. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the MADH2 protein, also known as SMAD2. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Eppert K, Scherer SW, Ozcelik H, Pirone R, Hoodless P, Kim H, et al. MADR2 maps to 18q21 and encodes a TGFbeta-regulated MAD-related protein that is functionally mutated in colorectal carcinoma. Cell. 1996 Aug 23;86(4):543-52. PubMed PMID: 8752209. 2. yagl, K. et al. (1999) Alternatively spliced variant on SMAD2 lacking exon 3. J. Biol. Chem. 274: 703 - 709.