

## Goat anti-SMAD2 / MADH2 Antibody

<b>Item Number</b>	dAP-0006
<b>Target Molecule</b>	Principle Name: SMAD2 / MADH2; Official Symbol: SMAD2; All Names and Symbols: MADH2; SMAD2; MAD, mothers against decapentaplegic homolog 2 (Drosophila); JV18; MADR2; JV18-1; Mothers against decapentaplegic, Drosophila, homolog of, 2; MAD (mothers against decapentaplegic, Drosophila) homolog 2; SMAD family member 2; MGC22139; MGC344; Accession Number (s): NP_005892.1; Human Gene ID (s): 4087; Non-Human GeneID(s):
<b>Immunogen</b>	SEIWGLSTPNTIDC, is from internal region
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	Western Blot: Approx 45kDa and 50kDa bands observed in lysates of cell line HeLa, and approx. 50kDa band in Mouse Testis lysates (calculated MWt of 52.3kDa according to Human NP_005892.1 and Mouse NP_001239410.1) Recommended concentration: 1-2µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Eppert K, Scherer SW, Ozcelik H, Pirone R, Hoodless P, Kim H, Tsui LC, Bapat B, Gallinger S, Andrulis IL, Thomsen GH, Wrana JL, Attisano L. MADR2 maps to 18q21 and encodes a TGFbeta-regulated MAD-related protein that is functionally mutated in colorectal carcinoma. Cell 1996 Aug 23;86

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**