

Goat anti-SMAD4 / MADH4 Antibody

Item Number	dAP-0043
Target Molecule	Principle Name: SMAD4 / MADH4; Official Symbol: SMAD4; All Names and Symbols: MADH4; SMAD4; JIP; DPC4; MAD, mothers against decapentaplegic homolog 4 (Drosophila); Mothers against decapentaplegic, Drosophila, homolog of, 4; MAD (mothers against decapentaplegic, Drosophila) homolog 4; SMAD family member 4; OTTHUMP00000163548; SMAD.; Accession Number (s): NP_005350.1; Human Gene ID (s): 4089; Non-Human GeneID(s): 50554 (rat)
Immunogen	HTMPIADPQPLD, is from C Terminus
Applications	Pep ELISA, IP Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Preliminary experiments gave a band at approx 75kDa in lysates of cell line NIH3T3. Please note that currently we cannot find an explanation in the literature
IHC	
Reference	Reference(s): Kim SK, Fan Y, Papadimitrakopoulou V, Clayman G, Hittelman WN, Hong WK, Lotan R, Mao L. DPC4, a candidate tumor suppressor gene, is altered infrequently in head and neck squamous cell carcinoma. Cancer Res 1996 Jun 1;56(11):2519-21.PMID: 8653689->

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**