



Goat anti-SMAD9 Antibody

Item Number	dAP-0816
Target Molecule	Principle Name: SMAD9; Official Symbol: SMAD9; All Names and Symbols: SMAD9; SMAD, mothers against DPP homolog 9 (Drosophila)] ; HGNC:6774; MADH6; MADH9; SMAD8A; SMAD8B ; MAD (mothers against decapentaplegic, Drosophila) homolog 9; MAD, mothers against decapentaplegic homolog 9; MAD, mothers against decapentaplegic homolog ; Accession Number (s): NP_005896.1; Human Gene ID(s): 4093; Non-Human GeneID(s):
Immunogen	HSEPLMPHNATYPD, is from internal region This antibody is not expected to cross-react with SMAD1 and SMAD5.
Applications	Pep ELISA, WB, IHC, EIA Species Tested: Human
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 64000.
Western Blot	Western Blot: Approx 50kDa band observed in Human Skin lysates (calculated MW of 48.6kDa according to NP_005896.1). Recommended concentration: 0.3-1.0 µg/ml.
IHC	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.
Reference	Reference(s): Shi Y, Massague J. Mechanisms of TGF-beta signaling from cell membrane to the nucleus. Cell. 2003 Jun 13;113(6):685-700. Review. .PMID: 12809600 ->

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**