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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07200 - Goat Anti-SMAD9 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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 9 (Drosophila), Mothers against decapentaplegic, drosophila, homolog of, 9

Official Symbol: SMAD9

Accession Number(s): NP_005896.1

Human GeneID(s): [4093](#)

Important Comments: This antibody is not expected to cross-react with SMAD1 and SMAD5.

Immunogen

Peptide with sequence C-HSEPLMPHNATYPD, from the internal region of the protein sequence according to NP_005896.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

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.

Primary incubation was 1 hour.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human

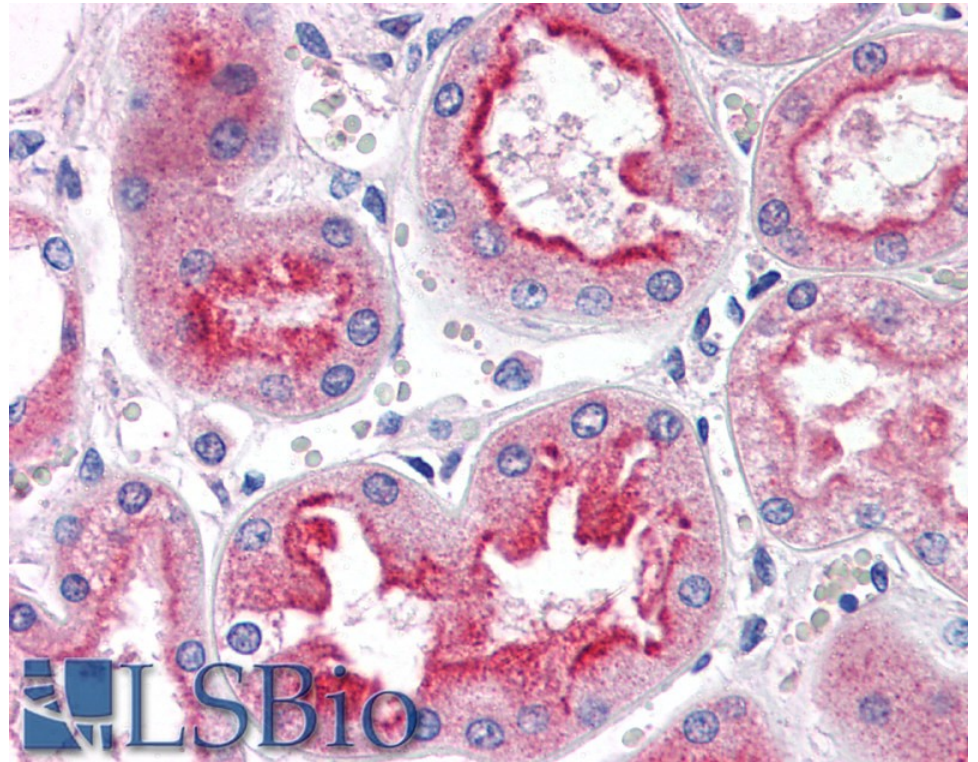
Expected from sequence similarity: Human, Mouse, Rat, Dog

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa

25kDa
20kDa

15kDa
10kDa

EB07200 (0.3µg/ml) staining of Human Skin lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB07200 (5µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.