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

EB05147-T - Goat Anti-SMAD2 / MADH2 Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: 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, MGC34440, hMAD-2, hSMAD2, MAD, mothers against decapentaplegic homolog 2, Mad, mothers against decapentaplegic homolog 2, Mad protein homolog, Mad-related protein 2, SMAD, mothers against DPP homolog 2, Sma- and Mad-related protein 2, mother against DPP homolog 2

Official Symbol: SMAD2

Accession Number(s): NP_005892.1

Human GenelD(s): [4087](#)

Immunogen

Peptide with sequence SEIWGLSTPNTIDC, from the internal region of the protein sequence according to NP_005892.1.

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 1:4000.

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.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Cow

EB05147(2µg/ml) staining of HeLa cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.

EB05147 (2µg/ml) staining of Mouse Testes lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.