



## UK Office

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

## EB05149-T - Goat Anti-SMAD4 / MADH4 Antibody - Trial

Size: 20µg specific antibody in 40µl



### Target Protein

**Principal Names:** 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, mothers against DPP homolog 4, deleted in pancreatic carcinoma locus 4, mothers against decapentaplegic homolog 4

**Official Symbol:** SMAD4

**Accession Number(s):** NP\_005350.1

**Human GeneID(s):** [4089](#)

**Non-Human GeneID(s):** 50554 (rat)

### Immunogen

Peptide with sequence C-HTMPIADPQPLD, from the C Terminus of the protein sequence according to NP\_005350.1.

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 1:32000.

**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

**Immunoprecipitation:** This antibody was deemed fit for IP under native conditions (observations from anonymous customer).

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig Cow