

## UK Office

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

## EB06852 - Goat Anti-OCT4 / POU5F1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** POU5F1, OTF4, POU domain, class 5, transcription factor 1, HGNC:9221, MGC22487, OCT3, OTF3, POU-type homeodomain-containing DNA-binding protein, octamer-binding transcription factor-3, POU class 5 homeobox 1, DADB-104B20.2, OCT4, POU domain, class 5, transcription factor 1

**Official Symbol:** POU5F1

**Accession Number(s):** NP\_002692.2; NP\_976034.3

**Human GeneID(s):** [5460](#)

**Non-Human GeneID(s):** 18999 (mouse), 294562 (rat)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_002692.2 and NP\_976034.3)

### Immunogen

Peptide with sequence C-VTTLGSPMHSN, from the C Terminus of the protein sequence according to NP\_002692.2; NP\_976034.3.

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 1:2000.

**Western blot:** Approx 30kDa band observed in Human Placenta, and approx 28kDa in Mouse Heart lysates (calculated MW of 30.1kDa according to Human NP\_976034.3 and 25.0kDa according to Mouse NP\_001239381.1). Recommended concentration: 0.5--2µg/ml.

### Species Reactivity

**Tested:** Human, Mouse

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

EB06852 (2µg/ml) staining of Human Placenta lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB06852 (0.5µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.