



## UK Office

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

## EB10038 - Goat Anti-POU5F1B Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** OCT4-pg1, octamer b, OTF3C, OTF3P1, POU 5 domain protein, POU class 5 homeobox 1 pseudogene 1, POU class 5 homeobox 1B, POU domain transcription factor Oct-4, POU domain, class 5, transcription factor 1 pseudogene 1, POU5F1P1, POU5FLC20, POU5FLC8, POU5F1B

**Official Symbol:** POU5F1B

**Accession Number(s):** NP\_001153014.1

**Human GeneID(s):** [5462](#) , [5460](#)

**Important Comments:** This antibody is expected to crossreact to the almost identical OCT4 / POU5F1 (GeneID 5460).

### Immunogen

Peptide with sequence C-TPGYGSPHFTALYS, from the internal region (near C Terminus) of the protein sequence according to NP\_001153014.1.

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 1:16000.

**Western blot:** Preliminary experiments gave an approx 28kDa band in Human Heart lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 38.6kDa according to NP\_001153014.1. The 28kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human