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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