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EB10037 - Goat Anti-OCT4 / POU5F1 (mouse) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: Oct3, Oct-3, Oct3/4, Oct-3/4, Oct4, Oct-4, Otf3, Otf-3, Otf3g, Otf3-rs7, Otf4, Otf-4, POU domain, class 5, transcription factor 1, Pou5f1
Official Symbol: POU5F1
Accession Number(s): NP_038661.2;
Non-Human GeneID(s): 18999 (mouse)

Immunogen

Peptide with sequence C-DRPNAVKLEKVEP, from the internal region of the protein sequence according to NP_038661.2;.

Please note the peptide is available for sale.

Purification and Storage

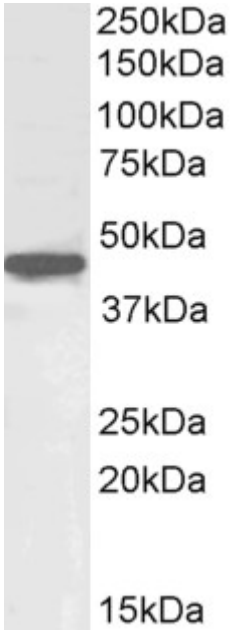
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

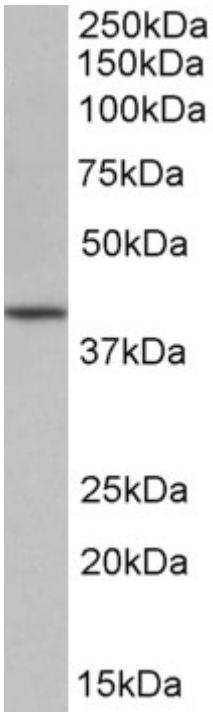
Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx 38-40kDa band observed in lysates of cell line NIH3T3 and approx. 45kDa in lysates of cell line HepG2 (calculated MW of 38.6kDa according to Human NP_002692.2 and 38.2kDa according to Mouse NP_038661.2). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Recommended concentration: 1-2µg/ml.

Species Reactivity

Tested: Human, Mouse
Expected from sequence similarity: Mouse, Rat



EB10037 (1µg/ml) staining of HepG2 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence



EB10037 (1µg/ml) staining of NIH3T3 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.