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

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

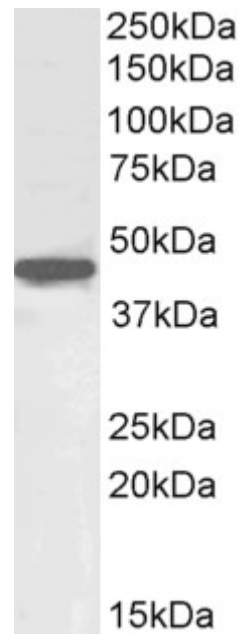
Peptide ELISA: antibody detection limit dilution 1:16000.

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). This molecular weight is routinely observed by other sources. Recommended concentration: 1-2µg/ml.

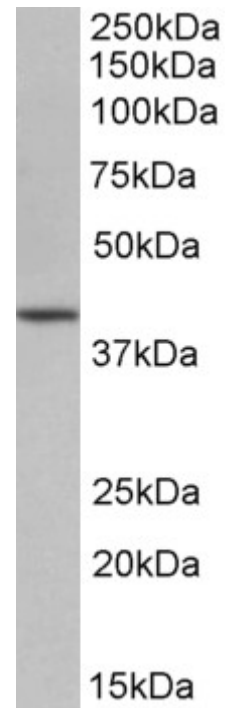
Species Reactivity

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.