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

## EB12562 - Goat Anti-Nanog (mouse aa270-284) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** Nanog, Nanog homeobox, 2410002E02Rik, ENK, ecat4, ES cell-associated protein 4, early embryo specific expression NK family, early embryo specific expression NK-type homeobox protein, homeobox protein NANOG, homeobox transcription factor Nanog

**Official Symbol:** Nanog

**Accession Number(s):** NP\_082292.1

**Non-Human GeneID(s):** 71950 (mouse)

### Immunogen

Peptide with sequence C-DLEVNLEATRESHAH, from the internal region of the protein sequence according to NP\_082292.1 .

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 1:128000.

**Western blot:** Approx 40kDa band observed in lysates of cell line NIH3T3 (calculated MW of 34.6kDa according to NP\_082292.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Zbinden et al, EMBO J. 2010 Aug 4;29(15):2659-74. PMID: 20581802). Recommended concentration: 0.5-2µg/ml.

### Species Reactivity

**Tested:** Mouse

**Expected from sequence similarity:** Mouse



EB12562 (0.5 $\mu$ g/ml) staining of NIH3T3 lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.