

## Datasheet

### **NANOG monoclonal antibody, clone 5A10**

**Catalog Number:** MAB2042

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against partial recombinant NANOG.

**Clone Name:** 5A10

**Immunogen:** Recombinant protein corresponding to amino acids 1-154 of human NANOG.

**Host:** Mouse

**Reactivity:** Human, Mouse

**Applications:** ELISA, WB-Ce

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Isotype:** IgG2a, kappa

**Recommend Usage:** The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.4 (0.09% sodium azide)

**Storage Instruction:** Store at -20°C.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 79923

**Gene Symbol:** NANOG

**Gene Alias:** -

#### **References:**

1. MicroRNAs to Nanog, Oct4 and Sox2 coding regions modulate embryonic stem cell differentiation. Tay Y, Zhang J, Thomson AM, Lim B, Rigoutsos I. Nature. 2008 Oct 23;455(7216):1124-8. Epub 2008 Sep 17.

2. Differential regulation of the Oct-3/4 gene in cell culture model systems that parallel different stages of mammalian development. Mallanna SK, Boer B, Desler M, Rizzino A. Mol Reprod Dev. 2008 Aug;75(8):1247-57.

3. Positive correlations of Oct-4 and Nanog in oral cancer stem-like cells and high-grade oral squamous cell carcinoma. Chiou SH, Yu CC, Huang CY, Lin SC, Liu CJ, Tsai TH, Chou SH, Chien CS, Ku HH, Lo JF. Clin Cancer Res. 2008 Jul 1;14(13):4085-95.