

Product datasheet

Anti-Nanog antibody [60CT70.5.12] ab75484

1 图像

概述

产品名称	Anti-Nanog抗体[60CT70.5.12]
描述	小鼠单克隆抗体[60CT70.5.12] to Nanog
宿主	Mouse
经测试应用	适用于: WB, ELISA
种属反应性	与反应: Human
免疫原	Recombinant full length Nanog (Human).

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituent: Ascites
纯度	Protein G purified
克隆	单克隆
克隆编号	60CT70.5.12
同种型	IgG1
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab75484** in the following tested applications.

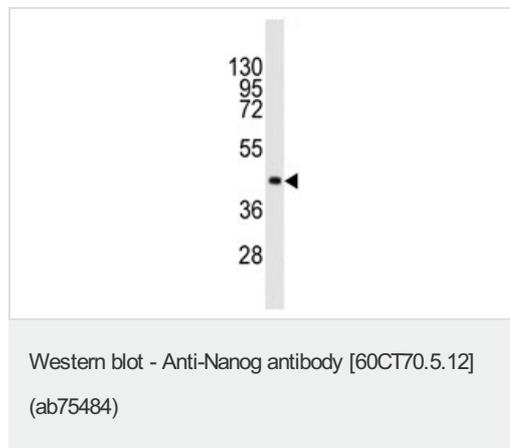
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB		1/2000. Predicted molecular weight: 35 kDa.
ELISA		1/1000.

靶标

功能	Transcription regulator involved in inner cell mass and embryonic stem (ES) cells proliferation and self-renewal. Imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophectoderm lineages. Blocks bone morphogenetic protein-induced mesoderm differentiation of ES cells by physically interacting with SMAD1 and interfering with the recruitment of coactivators to the active SMAD transcriptional complexes (By similarity). Acts as a transcriptional activator or repressor (By similarity). Binds optimally to the DNA consensus sequence 5'-TAAT[GT][GT]-3' or 5'-[CG][GA][CG]C[GC]ATTAN[GC]-3' (By similarity). When overexpressed, promotes cells to enter into S phase and proliferation.
组织特异性	Expressed in testicular carcinoma and derived germ cell tumors (at protein level). Expressed in fetal gonads, ovary and testis. Also expressed in ovary teratocarcinoma cell line and testicular embryonic carcinoma. Not expressed in many somatic organs and oocytes.
序列相似性	Belongs to the Nanog homeobox family. Contains 1 homeobox DNA-binding domain.
发展阶段	Expressed in embryonic stem (ES) and carcinoma (EC) cells. Expressed in inner cell mass (ICM) of the blastocyst and gonocytes between 14 and 19 weeks of gestation (at protein level). Not expressed in oocytes, unfertilized oocytes, 2-16 cell embryos and early morula (at protein level). Expressed in embryonic stem cells (ES). Expression decreases with ES differentiation.
细胞定位	Nucleus.

图片



Anti-Nanog antibody [60CT70.5.12] (ab75484) at 1/2000 dilution +
Nanog recombinant protein including His tag at 12.5 µg

Predicted band size: 35 kDa

Observed band size: 40 kDa

[why is the actual band size different from the predicted?](#)

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