

Recombinant Human Nanog protein ab50053

2 References 画像数 1

製品の詳細

製品名	Recombinant Human Nanog protein		
精製度	> 95 % SDS-PAGE.		
エンドトキシン・レベル	< 0.100 Eu/μg		
発現系	Escherichia coli		
タンパク質長	Full length protein		
Animal free	No		
由来	Recombinant		
生物種	Human		
配列	SVDPACPQSL PCFEASDCKE SSPMPVICGP EENYPQLQMS SAEMPHETTV SPLPSSMDLL IQDSPDSSTS PKGKQPTSAE NSVAKKEDKV PVKKQKTRTV FSSTQLCVLN DRFQRQKYLS LQQMQELSNL LNLSYKQVKT WFQNQRMKSK RWQKNNWPKN SNGVTQKASA PTYPSLYSSY HQGCLVNPTG NLPMWSNQTW NNSTWSNQTQ NIQSWSNHSW NTQTWCTQSW NNQAWNPFY NCGEESLQSC MQFQPNPAS DLEAALEAAG EGLNVIQTT RYFSTPQTMD LFLNYSMMQ PEDV		
予測される分子量	35 kDa		
領域	1 to 304		

特性

Our **Abpromise guarantee** covers the use of **ab50053** in the following tested applications.

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

アプリケーション	SDS-PAGE
製品の状態	Lyophilized
備考	Endotoxin level is less than 0.1 ng per μg (1EU/μg).

前処理および保存

保存方法および安定性

Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term.

再構成

Reconstitute to 1mg/ml using 10mM Acetic acid.

関連情報

機能

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 trophoctoderm 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.

組織特異性

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.

配列類似性

Belongs to the Nanog homeobox family.
Contains 1 homeobox DNA-binding domain.

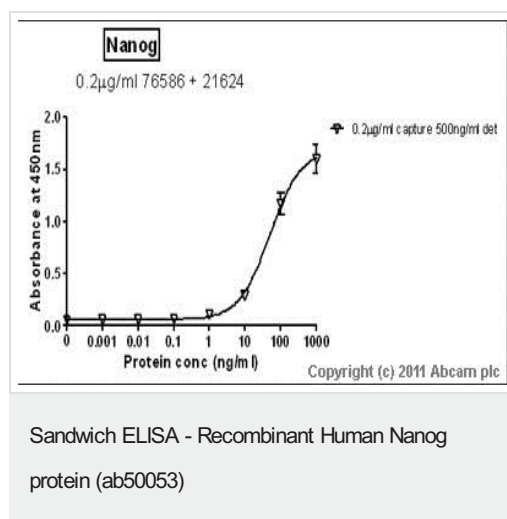
発生段階

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.

細胞内局在

Nucleus.

画像



Standard Curve for Nanog (Analyte: **Nanog protein (ab50053)**); dilution range 1 pg/ml to 1 ug/ml using Capture Antibody **Mouse monoclonal [1E6C4] to Nanog (ab76586)** at 0.2 ug/ml and Detector Antibody **Rabbit polyclonal to Nanog - ChIP Grade (ab21624)** at 0.5 ug/ml.

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