

ARG56727 anti-NANOG antibody (Biotin)

Package: 50 µg
Store at: 4°C

Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes NANOG
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NANOG
Species	Human
Immunogen	E.coli derived Recombinant Human Nanog. (SVDPAQPQL PCFEASDCKE SSPMPVICGP EENYPQLQMS SAEMPHETV SPLPSSMDLL IQDSPDSSTS PKGKQPTSAE NSVAKKEDKV PVKKQKTRTV FSSTQLCVLN DRFQRQKYL LQQMQELSNI LNLSYKQVKT WFQNQRMKSK RWQKNNWPKN SNGVTQKASA PTYPSLYSSY HQGCLVNPTG NLPMWSNQTW NNSTWSNQTQ NIQSWSNHSW NTQWTCTQSW NNQAWNSPFY NCGEESLQSC MQFQPNPAS DLEAALEAAG EGLNVIQTT RYFSTPQTMD LFLNYSMMNQ PEDV)
Conjugation	Biotin
Alternate Names	Homeobox transcription factor Nanog; Homeobox protein NANOG; hNanog

Application Instructions

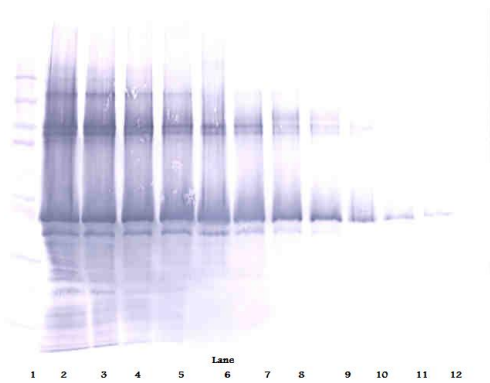
Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG56612 as a capture antibody
	WB	0.1 - 0.2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

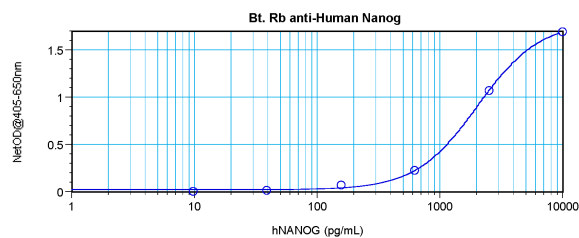
Database links	GeneID: 79923 Human Swiss-port # Q9H9S0 Human
Gene Symbol	NANOG
Gene Full Name	Nanog homeobox
Background	The protein encoded by this gene is a DNA binding homeobox transcription factor involved in embryonic stem (ES) cell proliferation, renewal, and pluripotency. The encoded protein can block ES cell differentiation and can also autorepress its own expression in differentiating cells. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]
Function	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. Acts as a transcriptional activator or repressor. Binds optimally to the DNA consensus sequence 5'-TAAT[GT][GT]-3' or 5'-[CG][GA][CG]C[GC]ATTAN[GC]-3'. Able to autorepress its expression in differentiating (ES) cells: binds to its own promoter following interaction with ZNF281/ZFP281, leading to recruitment of the NuRD complex and subsequent repression of expression. When overexpressed, promotes cells to enter into S phase and proliferation. [UniProt]
Calculated Mw	35 kDa

Images



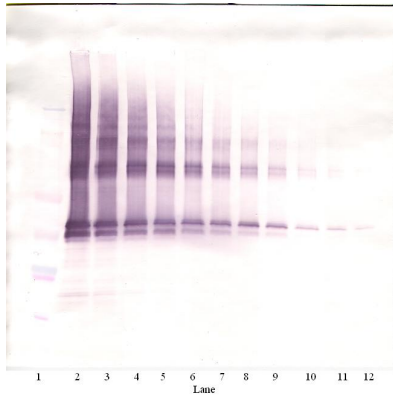
ARG56727 anti-NANOG antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human Nanog stained with ARG56727 anti-NANOG antibody (Biotin), under reducing conditions.



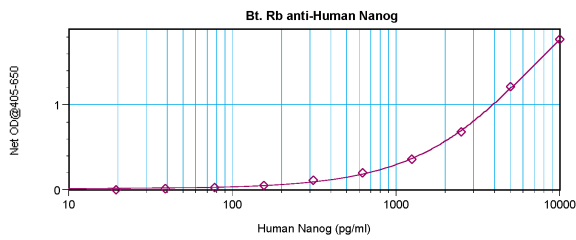
ARG56727 anti-NANOG antibody (Biotin) standard curve image

Direct ELISA: ARG56727 anti-NANOG antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density.



ARG56727 anti-NANOG antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Human Nanog stained with ARG56727 anti-NANOG antibody (Biotin), under non-reducing conditions.



ARG56727 anti-NANOG antibody (Biotin) standard curve image

Sandwich ELISA: ARG56727 anti-NANOG antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG56612 anti-NANOG antibody as a capture antibody. Results of a typical standard run with optical density.