

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-NANOG



Numéro de catalogue: **CL555-14295**

Phare

## Informations de base

Numéro de catalogue:	CL555-14295	Numéro d'acquisition GenBank:	BC160187	Méthode de purification:	Purification par affinité contre l'antigène
Taille:	100ul, Concentration: 1000 µg/mL by Nanodrop;	Identification du gène (NCBI):	79923	Excitation/Emission maxima wavelengths:	554 nm / 570 nm
Hôte:	Lapin	Nom complet:	Nanog homeobox		
Isotype:	IgG	MW calculé:	35 kDa		
Immunogen Catalog Number:	AG5645	MW observés:	35-40 kDa		

## Applications

Applications testées:  
FC (Intra)

Spécificité de l'espèce:  
Humain, rat, souris

## Informations générales

Nanog is a member of the homeobox family of DNA binding transcription factors and has been shown to maintain embryonic stem (ES) cell self-renewal independently of leukemia inhibitory factor (LIF)/Stat3. Nanog mRNA is present in pluripotent mouse and human cell lines, and absent from differentiated cells. Functionally, Nanog works together with other key pluripotent factors (Oct4, Sox2, and Lin28) to reprogram human fibroblasts and generate induced pluripotent stem (iPS) cells. These key factors form a regulatory network to support or limit each other's expression level, which maintains the properties of ES cells. Affinity purified rabbit anti-Nanog can be used to demonstrate pluripotency of ES and IPS cells. There are two kinds of variants could recognized by NANOG, one is normal form (~39kd), the other is post-translation modified form (~48kd) (21136380). Nanog exists two isoforms with molecular weight 34.4 kDa and 31.9 kDa. (PMID: 21969378)

## Stockage

Stockage:  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.

Tampon de stockage:  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

**\*\*\* Les 20ul contiennent 0,1% de BSA.**

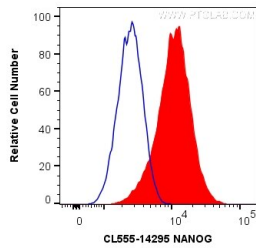
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## Données de validation sélectionnées



1X10<sup>6</sup> NCCIT cells were intracellularly stained with 0.2 ug CoraLite® Plus 555 Anti-Human NANOG (CL555-14295) (red), or 0.2 ug CoraLite® Plus 555 Rabbit IgG Control Antibody (CL555-30000) (Blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).