

Nur für Forschungszwecke

# NANOG Polyklonaler Antikörper

Katalog-Nr.:CL647-14295

Vorgestelltes Produkt



## Allgemeine Informationen

Katalog-Nr.: CL647-14295	GenBank-Zugangsnummer: BC160187	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 100ul , Konzentration: 1000 µg/ml von79923	GeneID (NCBI): von79923	Anregungs-/Emissionsmaxima- Wellenlängen: 654 nm / 674 nm
Nanodrop;	Vollständiger Name: Nanog homeobox	
Wirt: Kaninchen	Berechnete Masse: 35 kDa	
Isotyp: IgG	Beobachtete Masse: 35-40 kDa	
Immunogen Katalognummer: AG5645		

## Anwendungen

Geprüfte Anwendungen:  
FC (Intra)

Getestete Reaktivität:  
Human, Maus, Ratte

## Hintergrundinformationen

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)

## Lagerung

Lagerungsbedingungen:  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

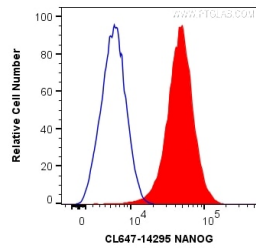
For technical support and original validation data for this product please contact:

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## Ausgewählte Validierungsdaten



1X10<sup>6</sup> NCCIT cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human NANOG (CL647-14295) (red), or 0.2 ug isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).