

Nur für Forschungszwecke

# NANOG Polyklonaler Antikörper

Katalog-Nr.:14295-1-AP

Vorgestelltes Produkt

172 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 14295-1-AP	<b>GenBank-Zugangsnummer:</b> BC160187	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 750 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 79923	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:3000 IF 1:20-1:200
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> Nanog homeobox	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 35 kDa	
<b>Immunogen Katalognummer:</b> AG5645	<b>Beobachtete Masse:</b> 35-40 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, WB, ELISA	<b>Positivkontrollen:</b>
<b>In Publikationen genannte Anwendungen:</b> IF, IHC, WB	<b>WB:</b> NCCIT-Zellen, Mausembryogewebe, Maushirngewebe, Rattenhirngewebe
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	<b>IF:</b> humane embryonale Stammzellen,
<b>Zitierte Arten:</b> Hausschwein, 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)

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ana Kojic	36194907	Stem Cell Res	IF
Chenlong Li	31558707	Cell Death Dis	WB
Chaoqun Liu	34551797	J Exp Clin Cancer Res	WB

## Lagerung

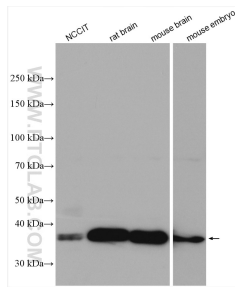
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

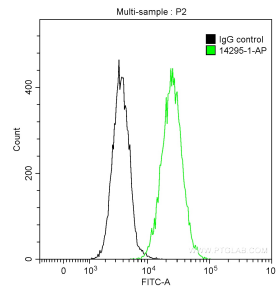
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

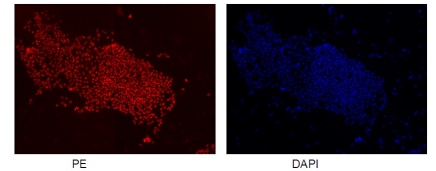
## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 14295-1-AP (NANOG antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  NCCIT cells were intracellularly stained with 0.2  $\mu$ g Anti-Human NANOG (14295-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2  $\mu$ g Control Antibody. Cells were fixed with 90% MeOH.



Confocal immunofluorescent analysis of human embryonic stem cells with 14295-1-AP at dilution of 1:200. The PE shows staining with 14295-1-AP/PE. The DAPI shows nuclear staining by DAPI.

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