

Nur für Forschungszwecke

# NANOG Monoklonaler Antikörper

Katalog-Nr.: 67255-1-Ig **8 Publikationen**



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67255-1-Ig	<b>GenBank-Zugangsnummer:</b> BC160187	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 2100 µg/ml von 79923 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 79923	<b>CloneNo.:</b> 3A2E1
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> Nanog homeobox	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000
<b>Isotyp:</b> IgG2a	<b>Berechnete Masse:</b> 35 kDa	
<b>Immunogen Katalognummer:</b> AG21364	<b>Beobachtete Masse:</b> 35-40 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> WB, ELISA	<b>Positivkontrollen:</b> WB : HT-29-Zellen, HuH-7-Zellen, humanes Plazenta- Gewebe, JAR-Zellen, MCF-7-Zellen, MDA-MB-231- Zellen, NCCIT-Zellen, T-47D-Zellen
<b>In Publikationen genannte Anwendungen:</b> WB	
<b>Getestete Reaktivität:</b> Human, Maus	
<b>Zitierte Arten:</b> Human	

## 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 be 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
Xueni Liu	31760402	Med Sci Monit	WB
Yin Yuan	36414390	J Med Chem	WB
Yang Wang	36333630	Apoptosis	WB

## Lagerung

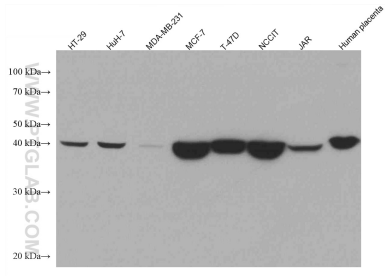
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 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  
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## Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 67255-1-Ig (NANOG antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.