

**Name: Rabbit polyclonal NANOG Antibody (S285)**  
**Product Data Sheet - ANTIBODY****Catalog: TA324577**

<b>Components:</b>	<ul style="list-style-type: none"><li>• Rabbit polyclonal NANOG Antibody (S285) (TA324577)</li><li>• WB positive control also available: 20ug myc-DDK tagged NANOG HEK293T over-expression lysate lyophilized in RIPA buffer (LC411030). (Reconstitute into 20ul of 1x SDS sample buffer before loading; load 5ul per lane as WB control or as desired)</li></ul>
<b>Amount:</b>	400ul
<b>Immunogen:</b>	This NANOG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 267-292 amino acids from human NANOG.
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Species Reactivity:</b>	Human
<b>Guaranteed Applications:</b>	WB, IF
<b>Suggested Dilutions:</b>	WB: 1:1000, IF: 1:10~50
<b>Concentration:</b>	0.31 mg/ml
<b>Buffer:</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
<b>Purification:</b>	This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage Condition:</b>	Shipped at -20C or with ice packs. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

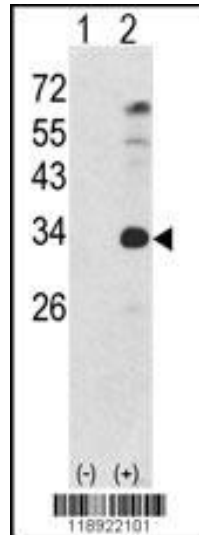
## Target

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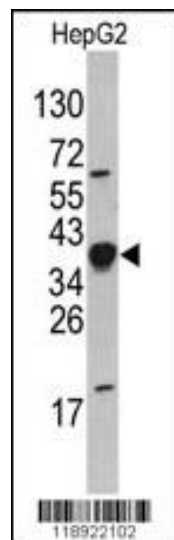
<b>Target Name:</b>	Homo sapiens Nanog homeobox (NANOG), transcript variant 1
<b>Alternative Name:</b>	homeobox transcription factor Nanog; homeobox transcription factor Nanog-delta 48; Nanog homeobox
<b>Database Link:</b>	<a href="#">NP_079141</a> <a href="#">Entrez Gene 79923 Human</a>
<b>Function:</b>	

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

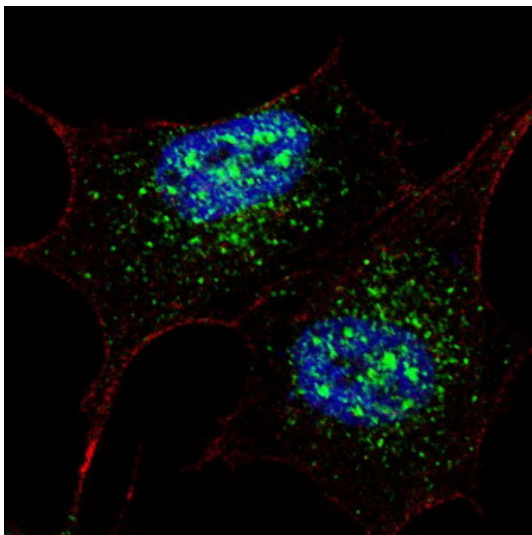
## Validation Data



Western blot analysis of NANOG (arrow) using rabbit NANOG Antibody (S285) (Cat.# TA324577). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NANOG gene (Lane 2) (Origene Technologies).



Western blot analysis of NANOG Antibody (S285) (Cat.# TA324577) in HepG2 cell line lysates (35ug/lane). NANOG (arrow) was detected using the purified Pab.



IF image of SY5Y cells stained with TA324577 NANOG (S285) antibody. SY5Y cells were incubated with TA324577 NANOG (S285) primary antibody (1:200, 2 h at RT). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin. Nuclei were counterstained with Hoechst 33342 (blue). Nanog immunoreactivity is localized mainly to the nuclei and also to the cytoplasm.

\* More validation images may be available on our website: <http://www.origene.com/antibody/TA324577.aspx>

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