

## Product datasheet for **TA324577**

### NANOG Rabbit Polyclonal Antibody

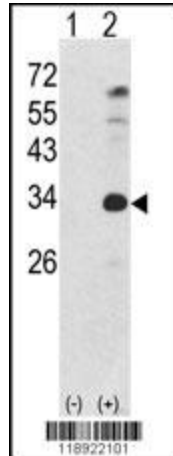
#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | IF, WB  |
| Recommended Dilution:   | WB: 1:1000, IF: 1:10~50   |
| Reactivity:             | Human   |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | This NANOG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 267-292 amino acids from human NANOG. |
| Formulation:            | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.   |
| Concentration:          | lot specific  |
| Purification:           | This antibody is purified through a protein A column, followed by peptide affinity purification.  |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 34620 Da  |
| Gene Name:              | Nanog homeobox  |
| Database Link:          | <a href="#">NP_079141</a><br><a href="#">Entrez Gene 79923 Human</a><br><a href="#">Q9H9S0</a>  |
| Synonyms:               | homeobox transcription factor Nanog; homeobox transcription factor Nanog-delta 48; Nanog homeobox   |
| Protein Families:       | Cancer stem cells, Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Stem cell - Pluripotency                |

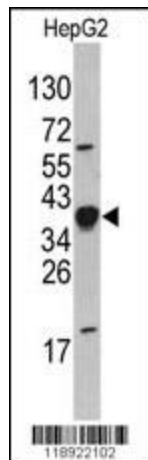


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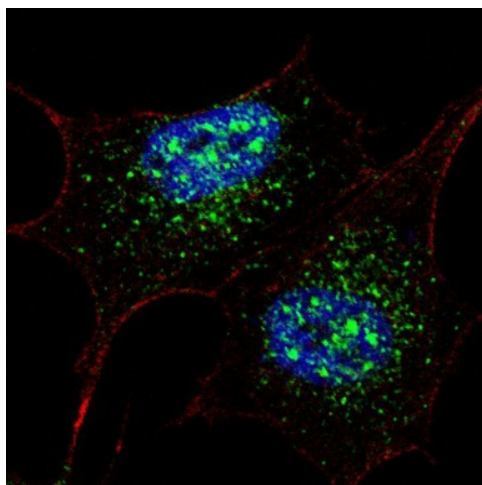
Product images:



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.