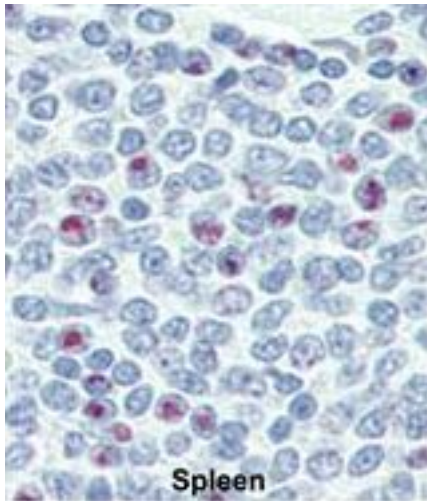


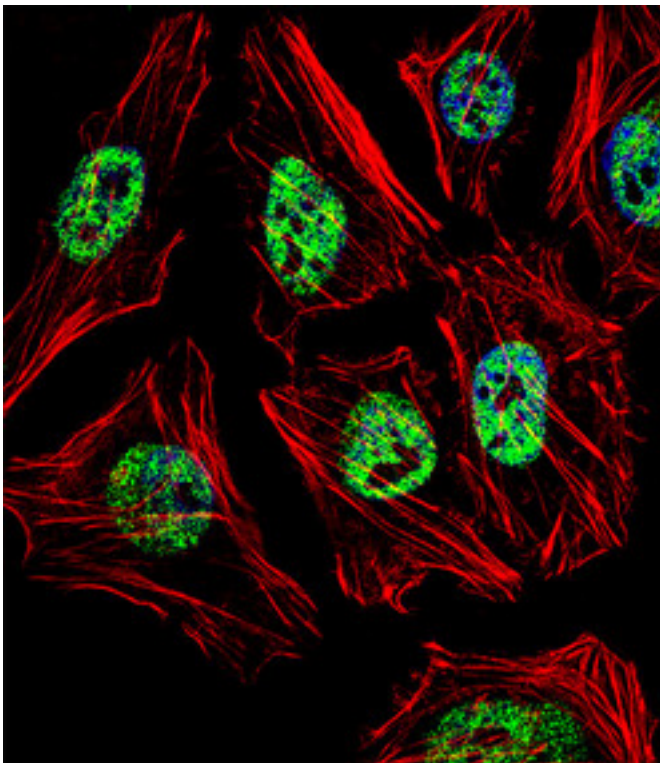
NANOG Rabbit anti-Human Polyclonal (N-Terminus) Antibody - LS-C98243 - LSBio	
<b>CatalogID:</b>	LS-C98243
<b>Target:</b>	Nanog homeobox
<b>Synonyms:</b>	NANOG Antibody, Nanog homeobox Antibody, NANOGP8 Antibody, HNanog Antibody, Homeobox protein NANOG Antibody
<b>Host</b>	NANOG antibody was produced in Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen Species:</b>	NANOG antibody was raised against Human
<b>Antigen Type:</b>	Synthetic peptide
<b>Immunogen:</b>	NANOG antibody was raised against kLH conjugated synthetic peptide selected from the N-terminal region of human NANOG.
<b>Epitope:</b>	N-Terminus
<b>Reactivity:</b>	Human
<b>Purification:</b>	Ammonium sulfate precipitation
<b>Presentation:</b>	PBS, 0.09% sodium azide
<b>Recommended Storage:</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.
<b>Uses:</b>	IHC - Paraffin (1:10 - 1:50), Immunofluorescence (1:10 - 1:50), Western blot (1:1000), Flow Cytometry (1:10 - 1:50) (Optimal dilution to be determined by the researcher)
<b>Uses Not Recommended:</b>	IHC - Paraffin
<b>Size:</b>	400 µl

### Immunohistochemistry Image:



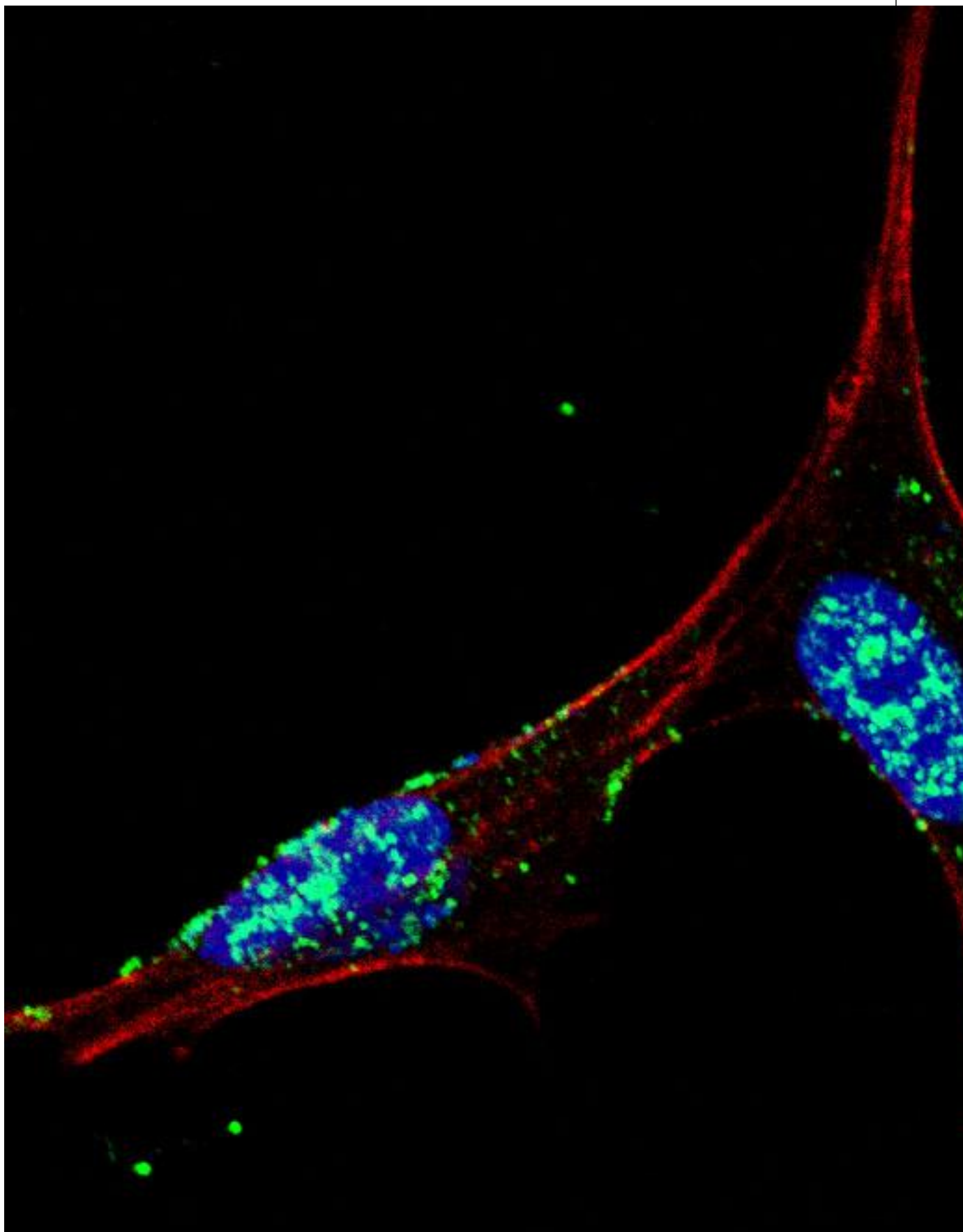
Formalin-fixed and paraffin-embedded human Spleen tissue reacted with NANOG Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

### Immunofluorescence Image:



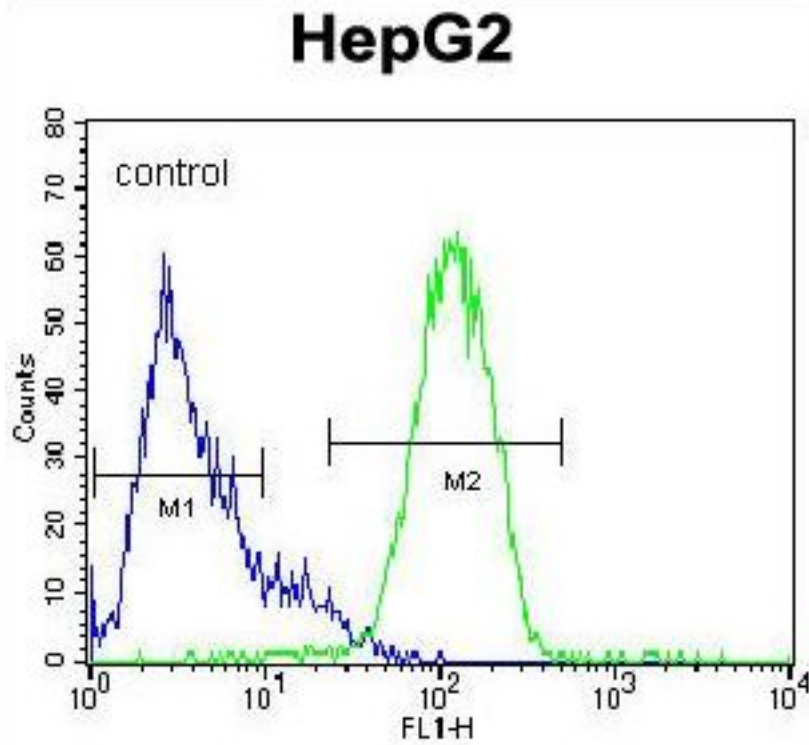
Fluorescent confocal image of HeLa cell stained with NANOG Antibody (N-term). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with NANOG primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7 units/ml, 1 h at 37°C). Nuclei were counterstained with DAPI (10 µg/ml, 10 min). NANOG immunoreactivity is localized to Nucleus significantly.

Immunofluorescence Image:



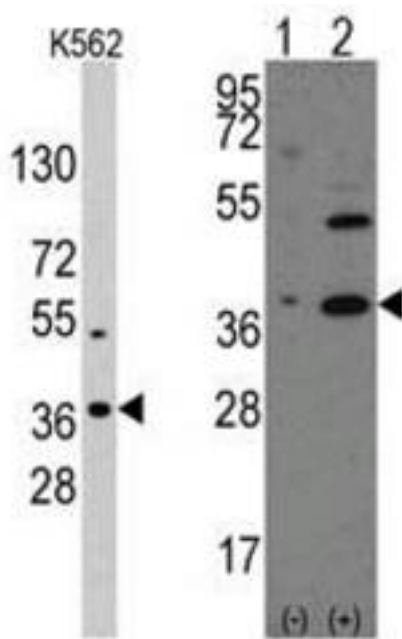
Formalin-fixed and paraffin-embedded human Spleen tissue reacted with NANOG Antibody (N-term) LS-C98243, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.

**Flow Cytometry Image:**



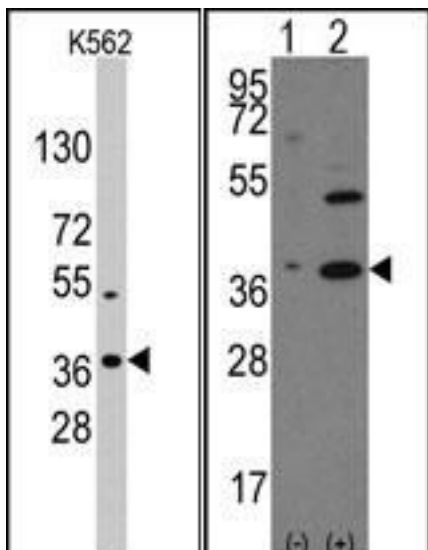
NANOG Antibody (N-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**Western Blot Image:**



Left: Western blot analysis NANOG Antibody (N-term) in K562 cell line lysates (35 ug/lane).  
Right: Western blot of NANOG (arrow) in 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NANOG gene (Lane 2).

**Western Blot Image:**



Western blot analysis of anti-NANOG Antibody (N-term) in K562 cell line lysates (35 ug/lane).  
NANOG (arrow) was detected using the purified Pab. Western blot analysis of NANOG (arrow) using rabbit polyclonal NANOG Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the NANOG gene (Lane 2) (Origene Technologies).

**Requested From:**

Japan

Laboratory Reagent For In Vitro Research Use Only

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Created on 10/3/2014

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