

## mNANOG | Validation File

**TARGET** mNANOG (Homeo box transcription factor nanog)

**CLONE NAME** SER211

**DESCRIPTION** Rat monoclonal

**ANTIGEN USED** HIS-mNANOG full-length protein

**ISOTYPE** IgG2a

**SPECIES REACTIVITY** mouse

**LOCALIZATION** nuclear

**POSITIVE CONTROL** mouse teratoma

**STORAGE BUFFER** Tissue culture supernatant: 0.02% sodium azide

**STORAGE** Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

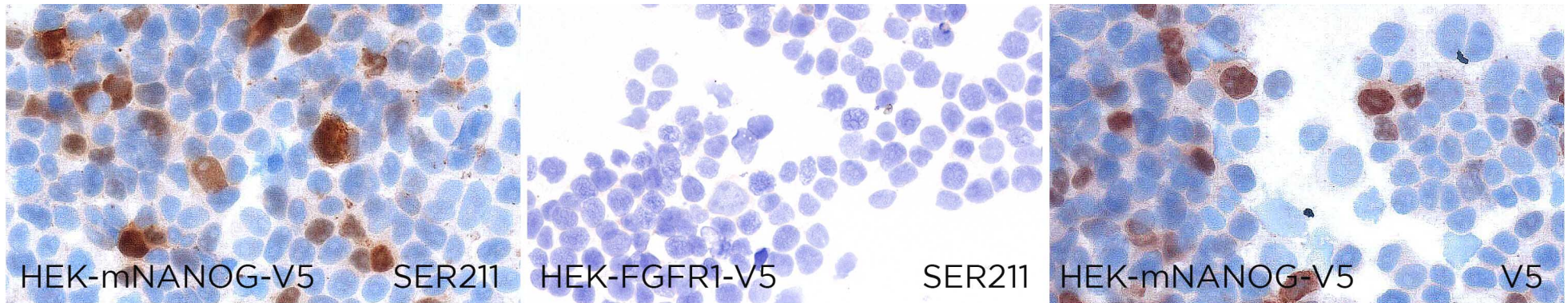
 Not Tested

# APPLICATIONS

## ● | ICC | Immunocytochemistry

SER211 is able to detect mouse NANOG protein in immunocytochemistry

To confirm that SER211 mAb recognizes mNANOG protein, immunocytochemistry on frozen cytospin preparations of V5-tagged mNANOG expressed in HEK293T was performed. Cytospin preparation of FGFR1-V5 transfected cells was used as negative control. Anti-V5 was used as positive control.



● | WB | **Western Blotting**

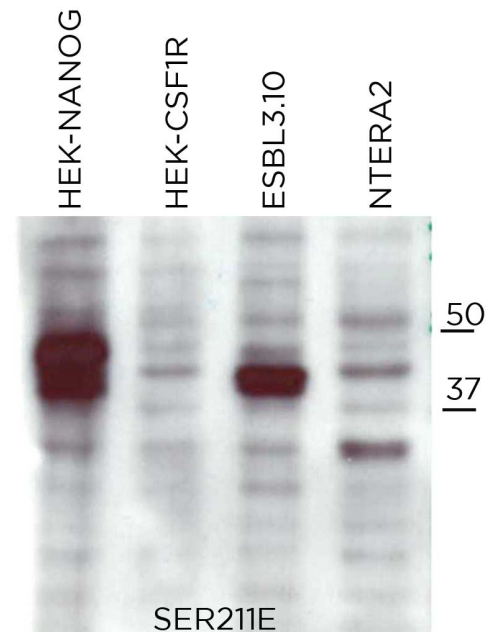
SER211 mAb is able to detect human mNANOG protein by WB.

**DILUTION** neat supernatant

Predicted molecular weight: **34kDa**  
Observed molecular weight: **34kDa**

**LANES**

Lane 1 HEK-mNANOG (15ug) (+)  
Lane 2 HEK-CSF1R (15ug) (-)  
Lane 3 ESBL3.10 (100ug) (+)  
Lane 4 NTERA2 (100ug) (+)



● | IHC-P | **Immunohistochemistry (paraffin)**

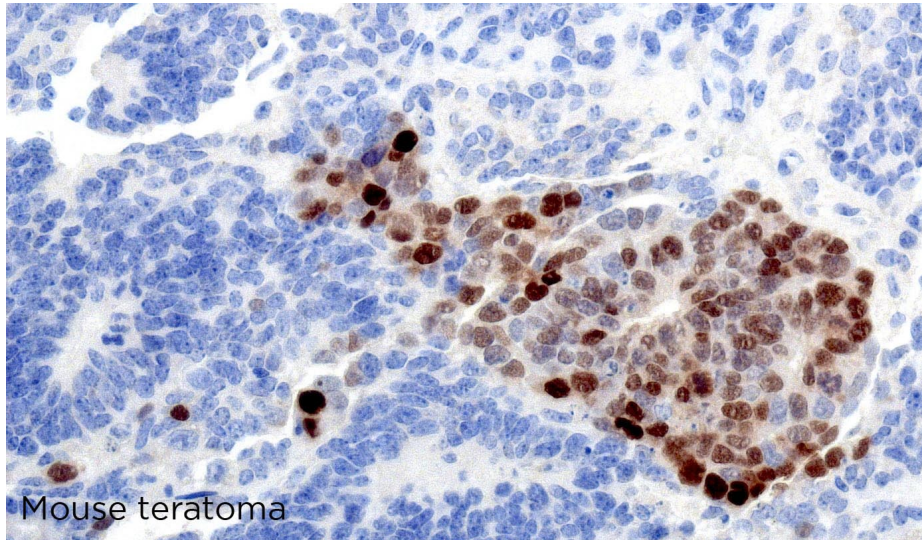
SER211 mAb can be used to detect mNANOG protein in human paraffin tissues

**TISSUE SAMPLE** mouse teratoma

**DILUTION** neat supernatant and 1:200 purified antibody

**ANT. RETRIEVAL** Discovery Xt CC1 OmniMap

**DETECTION KIT** Ventana

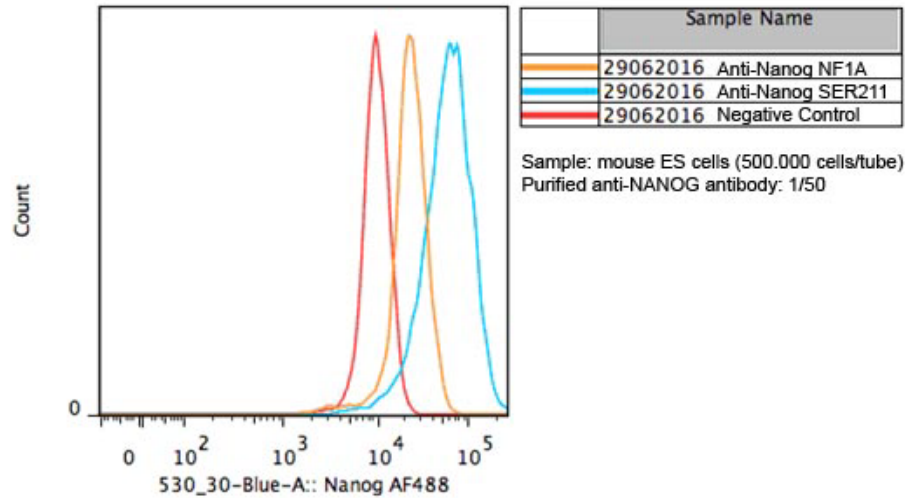


## ● | FC | **Flow Cytometry**

SER211 mAb can be used to detect mNANOG protein in flow cytometry

**SAMPLE** mouse ES cells (500000 cells/tube)

**DILUTION** 1:50 (purified)



● | IF | **Immunofluorescence (paraffin)** Not tested

● | IHC-F | **Immunohistochemistry** Not tested

● | IP | **Immunoprecipitation** Not Tested

**SOLD BY:** Biolegend