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

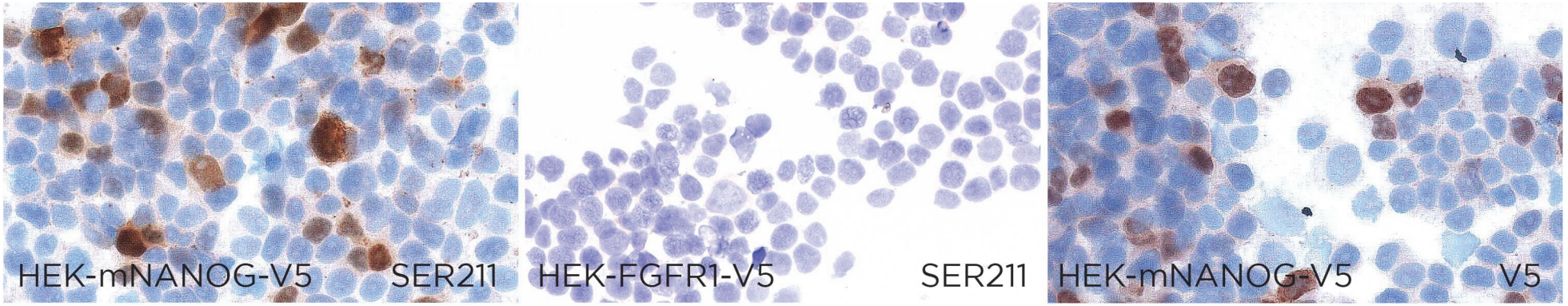
Recommended Inconclusive Not Recommended Not Tested

APPLICATIONS

| ICC | ***Immunocytochemistry***

SER211 is able to detect mouse NANOG protein in immunocytochemistry

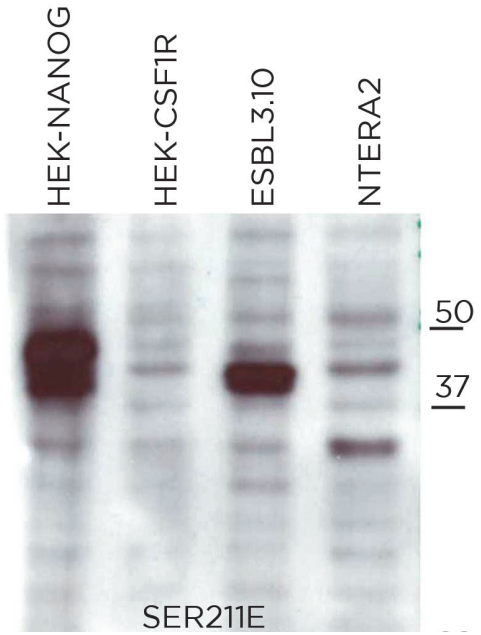
To confirm that SER211 mAb recognizes mNANOG protein, immunocytochemistry on frozen cytospin preparations of V5-tagged mNANOG expressed in HEK293T was performed. Cytospin preparation of FGFR1-V5 transfected cells was used as negative control. Anti-V5 was used as positive control.



| 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***

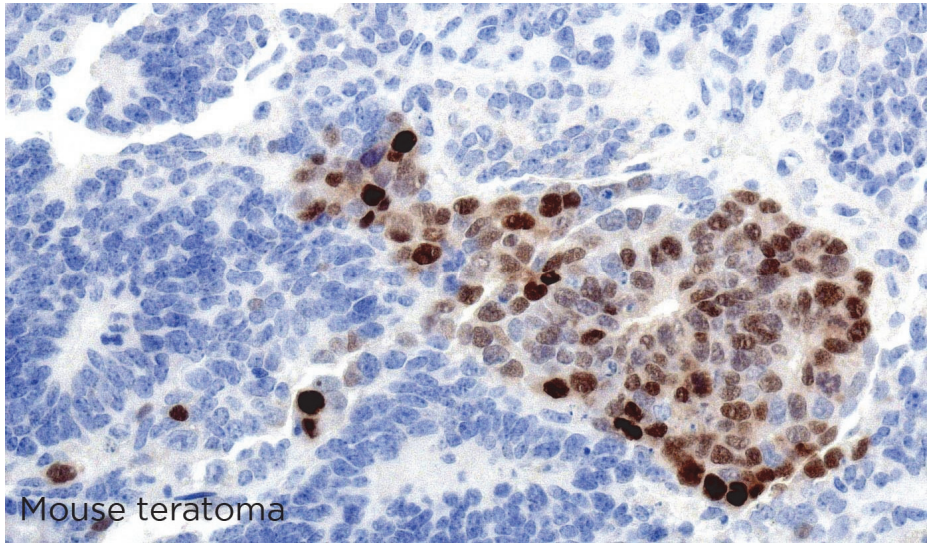
LANES

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

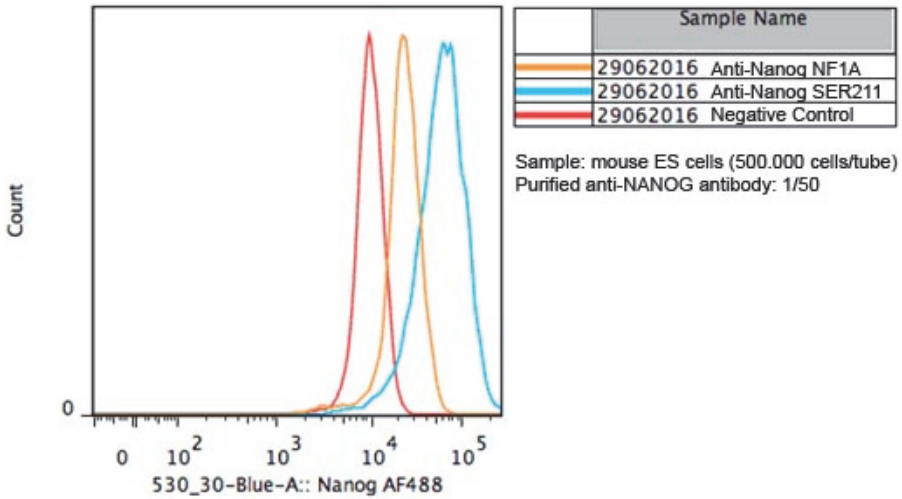


Mouse teratoma

| 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

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