



MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis

Catalog No. CEC-055

Anti-Nanog antibody

BACKGROUND

Nanog, a member of the homeobox family of DNA binding transcriptional factors, has been shown to maintain pluripotency of embryonic stem (ES) cell. Nanog expression is high in undifferentiated ES cell and is down-regulated during ES cell differentiation and concomitant with loss of pluripotency.

Product type	Primary antibody
Immunogen	Synthetic peptide corresponding to the N-terminal 24 aa (aa 2-25) of mouse Nanog, SVGLPGPHSLPSSEEASNSGNASS
Host	Rat
Clone number	2E6E1
Isotype	IgG2a, κ
Source	Culture supernatant
Purification	Ion-exchange chromatography
Form	Liquid
Presentation	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05%w/v ProClin300
Concentration	1 mg/mL
Volume	100 μ L
Label	Unlabeled
Specificity	Nanog
Cross reactivity	Human, Mouse Other species have not been tested.
Storage	Store below -20°C (below -70°C for prolonged storage) Aliquot to avoid cycles of freeze/thaw.
Other	-

Application notes	Recommended use WB, ICC Not tested for other applications. Recommended dilutions Western blotting, 1/1,000 to 1/5,000 Immunocytochemistry, 1/100 to 1/500 Optimal dilutions/concentrations should be determined by the end user.
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References	-
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ANTIBODY CHARACTERIZATION

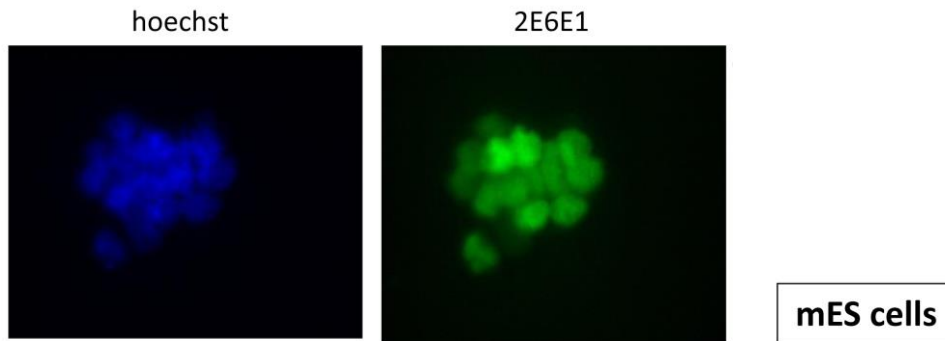


Fig.1 Immunocytochemistry/ Immunofluorescence - Nanog antibody (2E6E1) , ES(mouse) cells

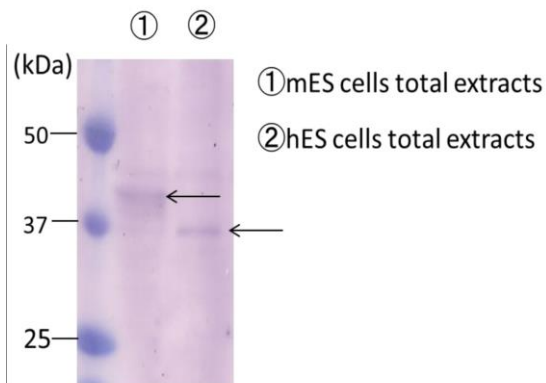


Fig.2 Western blot - Nanog antibody (2E6E1) , ES (mouse and human) cells total extracts

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