

# Anti-Nanog antibody

Clone	Cross reactivity	Application notes	Host	Isotype	Storage
2E6E1	Hu, Ms	WB, ICC	Rat	IgG2a, $\kappa$	-20°C

**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.

**Immunogen** Synthetic peptide corresponding to the N-terminal 24 aa (aa 2-25) of mouse Nanog, SVGLPGPHSLPSSEEASNSGNASS

**Host** Rat

**Isotype** IgG2a,  $\kappa$

**Cross reactivity** Human, Mouse

Other species have not been tested.

**Specificity** Nanog

**Application notes** Recommended use

WB, ICC Not tested for other applications.

Recommended dilutions

Western blotting, 1/1000 to 1/5000

Immunocytochemistry, 1/100 to 1/500

Optional dilutions/concentrations should be determined by the end user.

**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  $\mu$ L

**Storage** Store below -20°C

(below -70°C for prolonged storage)

Aliquot to avoid cycles of freeze/thaw.

References

Data

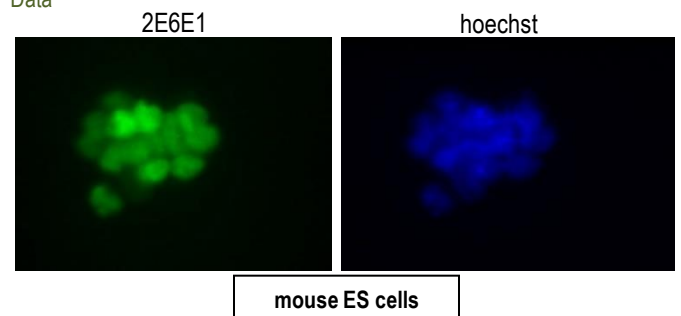


Fig.1 Immunocytochemistry/Immunofluorescence - Nanog antibody (2E6E1) mouse ES cells

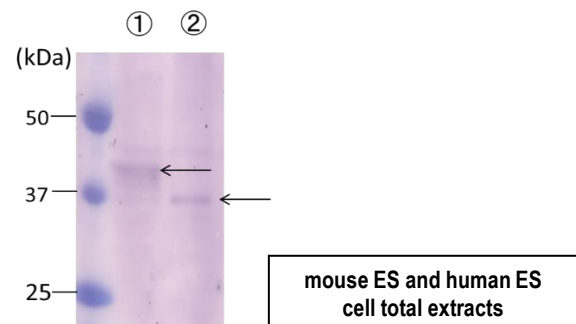


Fig.2 Western blot - Nanog antibody (2E6E1) ES (mouse and human) cell total extracts