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Nanog Rabbit mAb

Catalog No.: A25887 Recombinant

Basic Information

Observed MW
42kDa

Calculated MW
34kDa

Category
Primary antibody

Applications
ELISA,WB,ChIP,FC (intra)

Cross-Reactivity
Human, Mouse

CloneNo number
ARC62770

Background

The protein encoded by this gene is a DNA binding homeobox transcription factor involved in embryonic stem (ES) cell proliferation, renewal, and pluripotency. The encoded protein can block ES cell differentiation and can also autorepress its own expression in differentiating cells. Several transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:1000
ChIP	5μg antibody for 10μg-15μg of Chromatin
FC (intra)	1:500 - 1:1000

Immunogen Information

Gene ID
71950

Swiss Prot
Q80Z64

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 160-305 of mouse Nanog(NP_082292.1).

Synonyms
ENK; Stm1; ecat4; 2410002E02Rik

Contact

400-999-6126

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Product Information

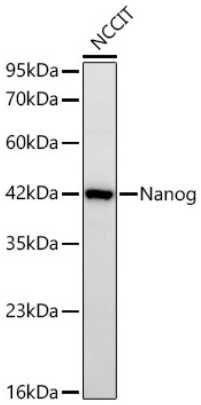
Source
Rabbit

Isotype
IgG

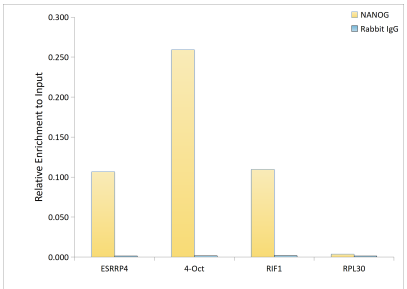
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

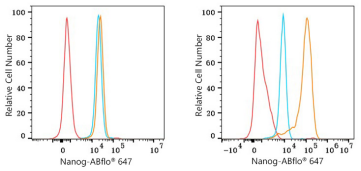
Validation Data



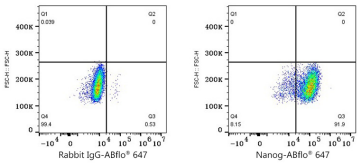
Western blot analysis of lysates from NCCIT cells using Nanog Rabbit mAb (A25887) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



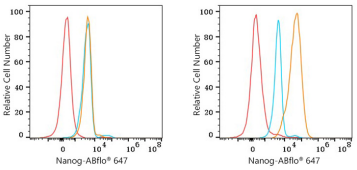
Chromatin immunoprecipitation was performed with 10 µg of cross-linked chromatin from F9 cells, using 5 µg of Nanog Rabbit mAb (A25887) and Rabbit Control IgG (AC005). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.



Flow cytometry: 1X10^6 HeLa cells (negative control,left) and NTERA-2 cells (right) were intracellularly-stained with Nanog Rabbit mAb (A25887,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

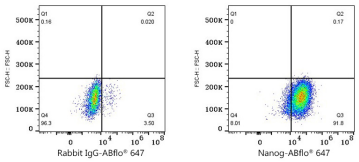


Flow cytometry: 1X10^6 NTERA-2 cells were intracellularly-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or Nanog Rabbit mAb (A25887,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.



Flow cytometry: 1X10^6 NIH/3T3 cells (negative control,left) and F9 cells (right) were intracellularly-stained with Nanog Rabbit mAb (A25887,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Validation Data



Flow cytometry: 1X10^6 F9 cells were intracellularly-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or Nanog Rabbit mAb (A25887,2 µg/mL,right), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining.