Nanog Rabbit mAb

Catalog No.: A22625   `Recombinant`   `1 Publications`

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Basic Information

Observed MW
37kDa,42kDa

Calculated MW
35kDa

Category
Primary antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC58438

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. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:2000 - 1:10000
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
79923

Swiss Prot
Q9H9S0

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 153-305 of human Nanog (NP_079141.2) .

Synonyms
NANOG; Nanog

Contact

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Product Information

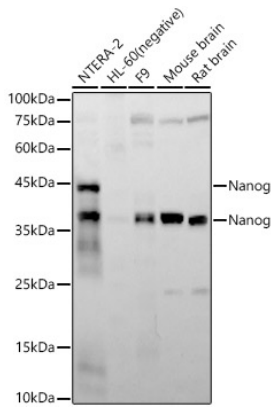**Source**
Rabbit

Isotype
IgG

Purification
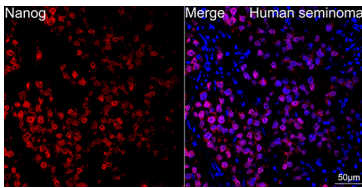Affinity purification

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 various lysates, using Nanog Rabbit mAb (A22625) at 1:10000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 60s.

Confocal imaging of paraffin-embedded Human seminoma tissue using Nanog Rabbit mAb (A22625, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IF staining. Objective: 40x.