

Nestin Rabbit mAb

Catalog No.: A29189 **Recombinant**

Basic Information

Observed MW

280 kDa

Calculated MW

202 kDa/207 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IF-F,IHC-P,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC3924

Background

Predicted to enable CCR5 chemokine receptor binding activity and intermediate filament binding activity. Acts upstream of or within cell projection morphogenesis; negative regulation of neuron apoptotic process; and nervous system development. Located in cytoplasm and intermediate filament. Is expressed in several structures, including central nervous system; embryo mesenchyme; eye; foregut-midgut junction; and metanephros. Orthologous to human NES (nestin).

Recommended Dilutions

WB 1:2000 - 1:5000**IF/ICC** 1:1000 - 1:4000**IF-F** 1:1000 - 1:4000**IHC-P** 1:200 - 1:800

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

18008

Swiss Prot

Q6P5H2

Immunogen

This information is considered to be commercially sensitive.

Synonyms

RC2; Marc2; ESTM46; Ifaprc2

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

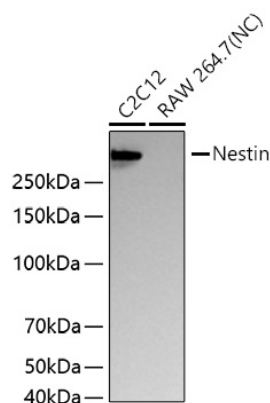
Contact

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Validation Data



Western blot analysis of various lysates using Nestin Rabbit mAb (A29189) at 1:5000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

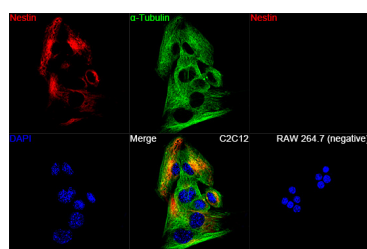
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

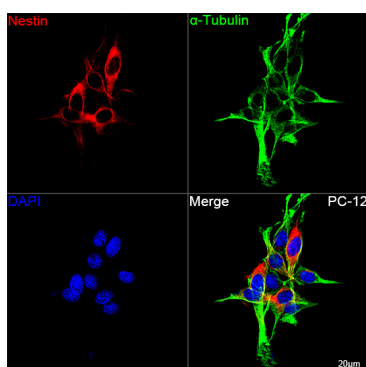
Detection: ECL Basic Kit (RM00020).

Negative control (NC): RAW 264.7.

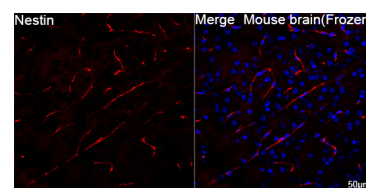
Exposure time: 30 s.



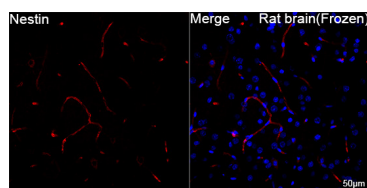
Confocal imaging of C2C12 cells and RAW 264.7 cells (negative) using Nestin Rabbit mAb (A29189, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



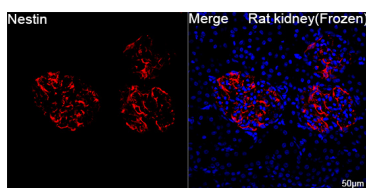
Confocal imaging of PC-12 cells using Nestin Rabbit mAb (A29189, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



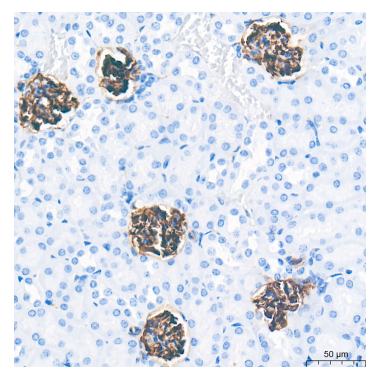
Confocal imaging of frozen sections of Mouse brain tissue using Nestin Rabbit mAb (A29189, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



Confocal imaging of frozen sections of Rat brain tissue using Nestin Rabbit mAb (A29189, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



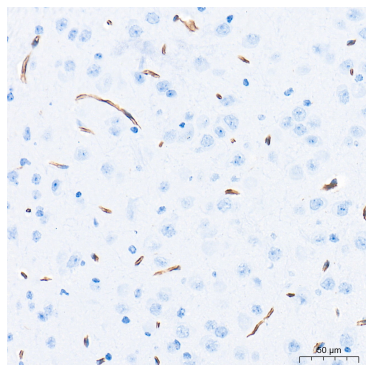
Confocal imaging of frozen sections of Rat kidney tissue using Nestin Rabbit mAb (A29189, dilution 1:2000) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using Nestin Rabbit mAb (A29189) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

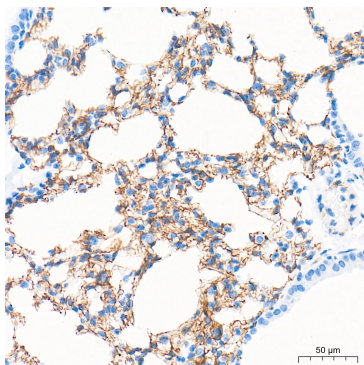
Validation Data

prior to IF staining. Objective: 40x.

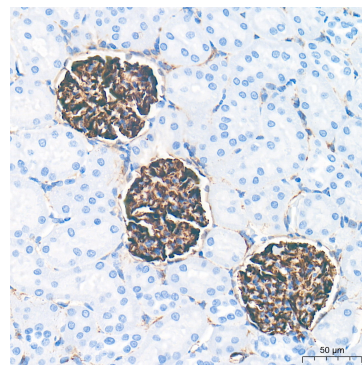


Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Nestin Rabbit mAb (A29189) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using Nestin Rabbit mAb (A29189) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using Nestin Rabbit mAb (A29189) at a dilution of 1:700 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.