

Nestin Monoclonal antibody

Catalog Number: 66259-1-Ig

32 Publications

Basic Information

Catalog Number:

66259-1-Ig

Size:

2600 µg/ml

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

NM_006617

GeneID (NCBI):

10763

UNIPROT ID:

P48681

Full Name:

nestin

Calculated MW:

177 kDa

Observed MW:

150-170 kDa

Purification Method:

Protein A purification

CloneNo.:

1D11H2

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

FC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

Positive Controls:

WB : Neuro-2a cells, HEK-293 cells, PC-12 cells, rat cerebellum tissue

Background Information

Nestin, also named as NES and Nbla00170, is a class VI intermediate filament protein expressed in stem cells of the central nervous system (CNS) but not in mature CNS cells. Its expression is used extensively as a marker for neural lineage cells derived from human embryonic stem (hES) and induced pluripotent stem (iPS) cells. Nestin is also expressed in non-neural stem cell populations such as pancreatic islet progenitors and hematopoietic progenitors.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|---------------------|-------------|
| Wen Wen | 28905239 | J Mol Histol | WB |
| Yangqiu Liu | 34514518 | J Mol Histol | WB |
| Liang Cao | 36159391 | Front Cell Neurosci | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

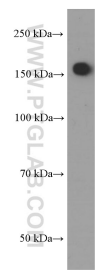
For technical support and original validation data for this product please contact:

T: 4006900926

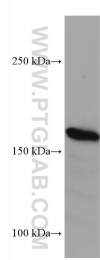
E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



Neuro-2a cells were subjected to SDS PAGE followed by western blot with 66259-1-Ig (Nestin Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 66259-1-Ig (Nestin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.