

Nestin Monoclonal ANTIBODY

Catalog Number: 66259-1-Ig

7 Publications

Basic Information

Catalog Number:
66259-1-Ig

Size:
206 µg/150 µl

Source:
Mouse

Isotype:
IgG2b

Purification Method:
Protein A purification

Immunogen Catalog Number:

GenBank Accession Number:
NM_006617

GeneID (NCBI):
10763

Full Name:
nestin

Calculated MW:
177 kDa

Observed MW:
150-170 kDa

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:1000

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

FC, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Neuro-2a cells; HEK-293 cells, rat brain tissue

IHC : human gliomas 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	IF, IHC, WB
Xia Ke	30194990	J Allergy Clin Immunol	FC
Li Wang	29062768	Int J Ophthalmol	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

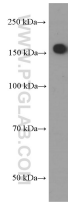
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

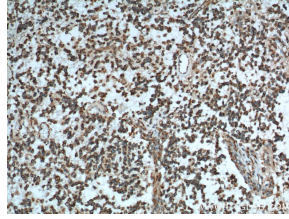
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

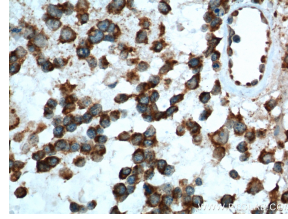
Selected Validation Data



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



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 66259-1-Ig (Nestin antibody) at dilution of 1:500 (under 10x lens).



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using 66259-1-Ig (Nestin antibody) at dilution of 1:500 (under 40x lens).