

Nestin Polyclonal ANTIBODY

Catalog Number: 19483-1-AP

19 Publications

Basic Information

Catalog Number:
19483-1-AP

Size:
54 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:
NM_006617

GeneID (NCBI):
10763

Full Name:
nestin

Calculated MW:
177 kDa

Observed MW:
170-180 kDa

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF 1:10-1:100

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
IF, IHC, WB

Species Specificity:
human,mouse,rat

Cited Species:
human, mouse, rat

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

Positive Controls:

WB : mouse brain tissue; rat brain tissue

IHC : human gliomas tissue; human kidney tissue, mouse brain tissue

IF : U-251 cells; SH-SY5Y cells, mouse brain 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
Man Li	24970310	Int J Mbl Med	IF
Paolo Alberton	25351164	Stem Cells Dev	IF
Shi Yin	27819521	Cancer Biol Ther	IF

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

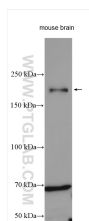
For technical support and original validation data for this product please contact:

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

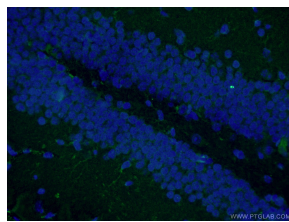
E: proteintech@ptglab.com
W: ptglab.com

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

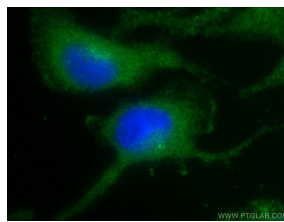
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19483-1-AP (Nestin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 19483-1-AP (Nestin antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunofluorescent analysis of U-251 cells using 19483-1-AP (Nestin antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)