

For Research Use Only

Nestin Monoclonal antibody

Catalog Number: 66259-1-Ig **38 Publications**



Basic Information

Catalog Number: 66259-1-Ig	GenBank Accession Number: NM_006617	Purification Method: Protein A purification
Size: 150ul , Concentration: 2600 ug/ml by Nanodrop and 1373 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10763	CloneNo.: 1D11H2
Source: Mouse	UNIPROT ID: P48681	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG2b	Full Name: nestin	
	Calculated MW: 177 kDa	
	Observed MW: 150-170 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Neuro-2a cells, HEK-293 cells, PC-12 cells, rat cerebellum tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	

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

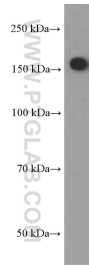
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

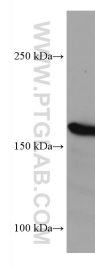
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Selected Validation Data



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.