

For Research Use Only

# Nestin Monoclonal antibody

Catalog Number: 66259-1-Ig **19 Publications**



## Basic Information

<b>Catalog Number:</b> 66259-1-Ig	<b>GenBank Accession Number:</b> NM_006617	<b>CloneNo.:</b> 1D11H2
<b>Size:</b> 2600 µg/ml	<b>GeneID (NCBI):</b> 10763	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Mouse	<b>Full Name:</b> nestin	
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 177 kDa	
<b>Purification Method:</b> Protein A purification	<b>Observed MW:</b> 150-170 kDa	
<b>Immunogen Catalog Number:</b>		

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Neuro-2a cells; HEK-293 cells, rat brain tissue, PC-12 cells, rat cerebellum tissue
<b>Cited Applications:</b> FC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> 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, IHC
Xia Ke	30194990	J Allergy Clin Immunol	FC

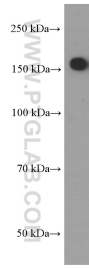
## Storage

**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:  
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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.