

For Research Use Only

# Nestin Monoclonal antibody, PBS Only



Catalog Number: 66259-1-PBS

## Basic Information

<b>Catalog Number:</b> 66259-1-PBS	<b>GenBank Accession Number:</b> NM_006617	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10763	<b>CloneNo.:</b> 1D11H2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P48681	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> nestin	
	<b>Calculated MW:</b> 177 kDa	
	<b>Observed MW:</b> 150-170 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
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.

## Storage

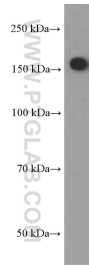
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

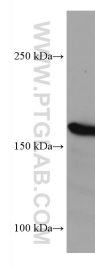
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## Selected Validation Data



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. This data was developed using the same antibody clone with 66259-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66259-1-PBS in a different storage buffer formulation.