

**NES Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2251a****Specification****NES Antibody - Product Information**

Application	<b>E, WB, FC</b>
Primary Accession	<a href="#">P48681</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>177kDa KDa</b>

**Description**

This gene encodes a member of the intermediate filament protein family and is expressed primarily in nerve cells.

**Immunogen**

Purified recombinant fragment of human NESTIN (AA: 419-588 ) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**NES Antibody - Additional Information**

**Gene ID** 10763

**Other Names**

Nestin, NES

**Dilution**

E~~1/10000

WB~~1/500 - 1/2000

FC~~1/200 - 1/400

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

NES Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**NES Antibody - Protein Information**

**Name** NES

**Function**

Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, renewal and mitogen- stimulated proliferation of neural progenitor cells (By similarity).

**Tissue Location**

CNS stem cells.

**NES Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

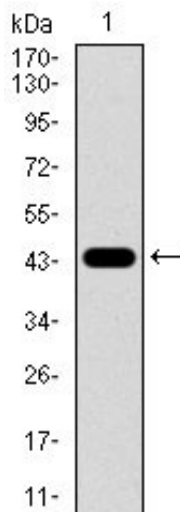
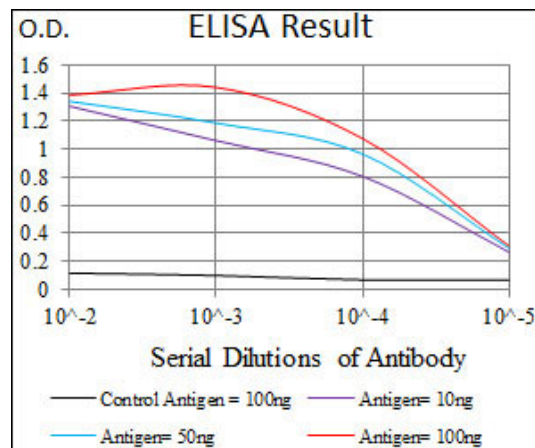


Figure 1: Western blot analysis using NES mAb against human NES recombinant protein. (Expected MW is 44.1 kDa)

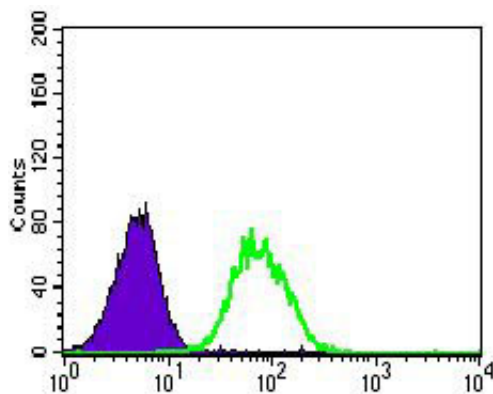


Figure 2: Flow cytometric analysis of HeLa cells using NES mouse mAb (green) and negative control (purple).

### NES Antibody - References

1. Neoplasma. 2012;59(3):310-5. 2. Eur J Histochem. 2011 Nov 14;55(4):e39.