

#### **NES Antibody**

Purified Mouse Monoclonal Antibody Catalog # AO2250a

# **Specification**

#### **NES Antibody - Product Information**

Application WB, FC, E
Primary Accession P48681
Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype IgG1

Calculated MW 177kDa KDa

**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 NES (AA: 419-588) expressed in E. Coli.

#### **Formulation**

Ascitic fluid containing 0.03% sodium azide.

#### **NES Antibody - Additional Information**

**Gene ID** 10763

Other Names Nestin, NES

#### **Dilution**

WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000

#### **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** 



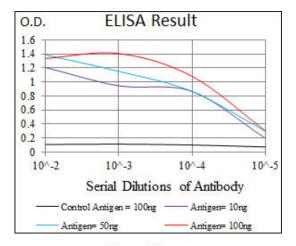
Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival, 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
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture



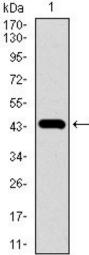


Figure 1: Western blot analysis using NES mAb against human NES recombinant protein. (Expected MW is 44.1 kDa)



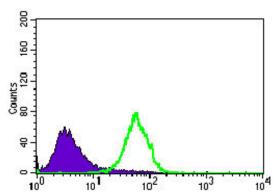


Figure 2: Flow cytometric analysis of HeLa cells using NES mouse mAb (green) and negative control (purple).

# **NES Antibody - References**

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