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NES Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2251a

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 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
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

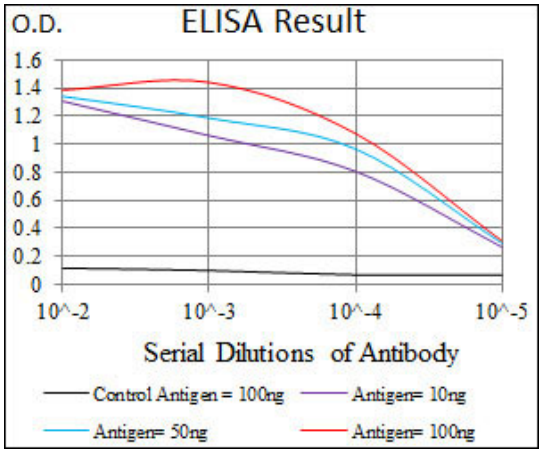
Required for brain and eye development. Promotes the disassembly of phosphorylated vimentin intermediate filaments (IF) during mitosis and may play a role in the trafficking and distribution of IF proteins and other cellular factors to daughter cells during progenitor cell division. Required for survival,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



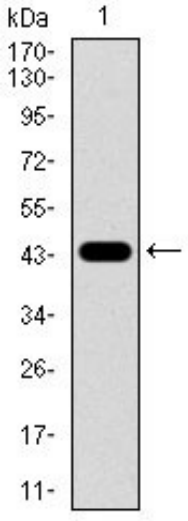


Figure 1: Western blot analysis using NES mAb against human NES recombinant protein. (Expected MW is 44.1 kDa)

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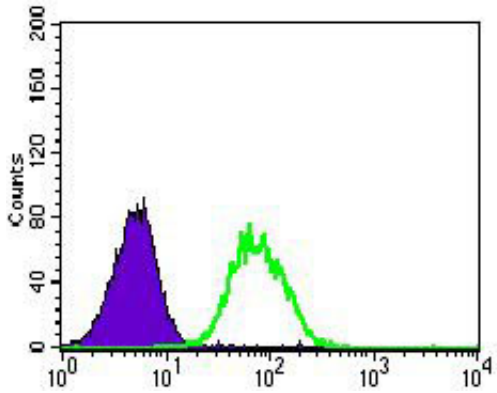

Figure 2: Flow cytometric analysis of HeLa cells using NES mouse mAb (green) and negative control (purple).

NES Antibody - References

1.Neoplasma. 2012;59(3):310-5.2.Eur J Histochem. 2011 Nov 14;55(4):e39.