

NES Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2251a

Specification

NES Antibody - Product Information

Application	E, WB, FC
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

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](#)

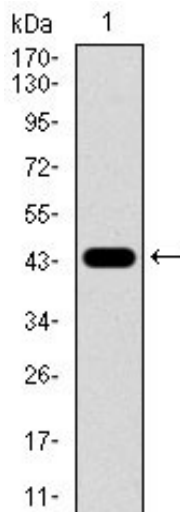
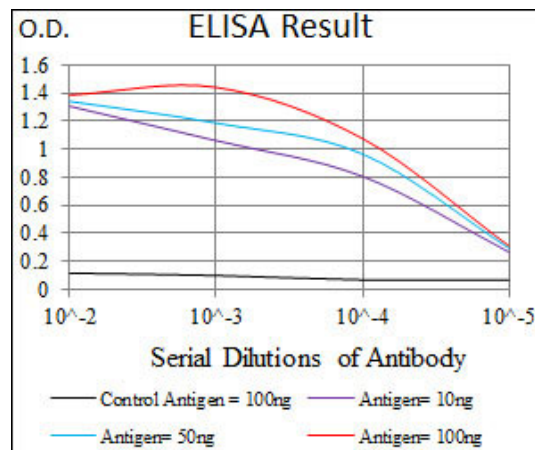


Figure 1: Western blot analysis using NES mAb against human NES recombinant protein. (Expected MW is 44.1 kDa)

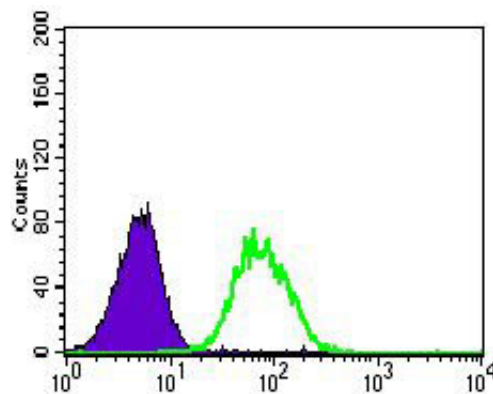


Figure 2: Flow cytometric analysis of HeLa cells using NES mouse mAb (green) and negative control (purple).

NES Antibody - References

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