

NES Antibody

Purified Mouse Monoclonal Antibody Catalog # AO2250a

Product Information

Application WB, FC, E **Primary Accession** P48681 Reactivity Human Host Mouse Clonality Monoclonal **Clone Names** 1A9G12 Isotype IgG1 177439 **Calculated MW**

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.

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.

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).

References

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

Images

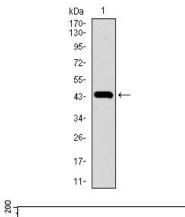


Figure 1: Western blot analysis using NES mAb against human NES recombinant protein. (Expected MW is 44.1 kDa)

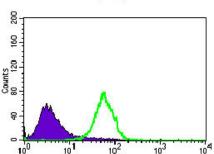


Figure 2: Flow cytometric analysis of HeLa cells using NES mouse mAb (green) and negative control (purple).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.